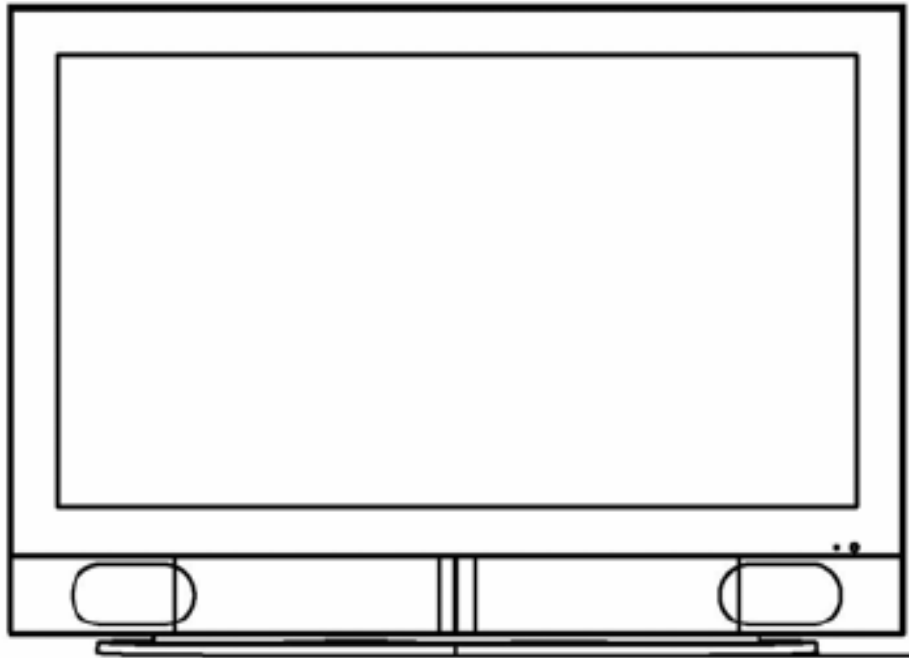


# Service Manual



**Model #: VIZIO L42HDTV10A**

**VIZIO GV42L HDTV**

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### *Appendix*

1. Main Board Circuit Diagram
2. Main Board PCB Layout
3. Assembly Explosion Drawing

Block Diagram

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#### FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

#### FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus VINC Will not be held responsible for the product and its safety.

#### CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

#### SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

# Chapter 1      Features

---

1. Built in TV channel selector for TV viewing.
2. Simultaneous display of PC and TV images.
3. Connectable to PC's analog RGB port .
4. Built in S-video, HDTV, composite video, HDMI and TV out.
5. Built in auto adjust function for automatic adjustment of screen display.
6. Smoothing function enables display of smooth texts and graphics even if image with resolution lower than 1366x768 is magnified.
7. Picture In Picture (PIP) function to show TV or VCR images.
8. Power saving to reduce consumption power to less than 3W.
9. On Screen Display: user can define display mode (i.e. color, brightness, contrast, sharpness, backlight), sound setting, PIP, TV channel program, aspect and gamma or reset all setting.

# Chapter 2      Specification

---

## 1. LCD CHARACTERISTICS

Type: 42.0 WXGA TFT LCD

Size: 42.02inch

Display Size: 42.02 inches (1067.308mm) diagonal

Outline Dimension: 1006 mm (H) x 610 mm (V) x 56 mm (D) (Typ.)

Pixel Pitch: 0.227mm x 0.681mm x RGB

Pixel Format: 1366 horiz. By 768 vert. Pixels RGB strip arrangement

Contrast ratio: 1.CR : 550(Typ) 2. CR WITH AI : 1100(Typ)

Luminance, White: 500 cd/m<sup>2</sup> (Typ)

Display Operating Mode: normally Black

Surface Treatment: Hard Coating (3H) ,Anti-glare treatment of the front polarizer.

## 2. OPTICAL CHARACTERISTICS

Viewing Angle (CR>10)

Left: 89°typ.

Right: 89°typ.

Top: 89°typ.

Bottom: 89°typ.

## 3. SIGNAL (Refer to the Timing Chart)

Sync Signal

1) Type: TMDS

2) Input Voltage Level: 90~240 Vac, 50/ 60 Hz

## 4. Input Connectors

RJ11, D-SUB15PIN (MINI, 3rows), Headphone, HDMIX2, RCAX3 (component), RCAX2 (AUDIO in), RCAX3 (composite), RCAX2 (AUDIO in), S-Video, Tuner

## 5. POWER SUPPLY

Power Consumption: 280W MAX

Power OFF: to less than 3W MAX

---

## **6. Speaker**

Output 10W (max) X2

## **7. ENVIRONMENT**

5-1. Operating Temperature: 5c~35c (Ambient)

5-2. Operating Humidity: Ta= 35 °C, 90%RH (Non-condensing)

5-3. Operating Altitude: 0 - 14,000 feet (4267.2m)(Non-Operating)

## **8. DIMENSIONS (Physical dimension)**

Width: 1066 mm.

Depth: 269.2mm

Height: 765.4mm

## **9. WEIGHT (Physical weight)**

a. Net: 36.0+/-0.5kgs

b. Gross: 43+/-0.5kgs

## **9-1. MOUNTING PRECAUTIONS**

- (1) You must mount a module using holes arranged in four corners or four sides.
- (2) You should consider the mounting structure so that uneven force (ex. Twisted stress) is not applied to the module. And the case on which a module is mounted should have sufficient strength so that external force is not transmitted directly to the module.
- (3) Please attach the surface transparent protective plate to the surface in order to protect the polarizer. Transparent protective plate should have sufficient strength in order to resist external force.
- (4) You should adopt radiation structure to satisfy the temperature specification.
- (5) Acetic acid type and chlorine type materials for the cover case are not desirable because the former generates corrosive gas of attacking the polarizer at high temperature and the latter causes circuit break by electro-chemical reaction.

- 
- (6) Do not touch, push or rub the exposed polarizers with glass, tweezers or anything harder than HB pencil lead. And please do not rub with dust clothes with chemical treatment.  
Do not touch the surface of polarizer for bare hand or greasy cloth. (Some cosmetics are detrimental to the polarizer.)
  - (7) When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaked with petroleum benzene. Normal-hexane is recommended for cleaning the adhesives used to attach front / rear polarizers. Do not use acetone, toluene and alcohol because they cause chemical damage to the polarizer.
  - (8) Wipe off saliva or water drops as soon as possible. Their long time contact with polarizer causes deformations and color fading.
  - (9) Do not open the case because inside circuits do not have sufficient strength.

## **9-2. OPERATING PRECAUTIONS**

- (1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage :  $V = \pm 200\text{mV}$  (Over and under shoot voltage)
- (2) Response time depends on the temperature. (In lower temperature, it becomes longer.)
- (3) Brightness depends on the temperature. (In lower temperature, it becomes lower.) And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
- (4) Be careful for condensation at sudden temperature change. Condensation makes damage to polarizer or electrical contacted parts. And after fading condensation, smear or spot will occur.
- (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.
- (6) Module has high frequency circuits. System manufacturers shall do sufficient suppression to the electromagnetic interference. Grounding and shielding methods may be important to minimize the interference.

---

### **9-3. HANDLING PRECAUTIONS FOR PROTECTION**

- (1) The protection film is attached to the bezel with a small masking tape. When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.
- (3) You can remove the glue easily. When the glue remains on the bezel surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.



## Chapter 3 On Screen Display

---

### ***Main unit button***

Power

MENU

CH ▲

CH ▼

VOL +

VOL -

Input

### TV Source

#### A. Picture Adjust :

- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100)
- c. Contrast (0~100)
- d. Brightness (0~100)
- e. Color (saturation)(0~100)
- f. Tint (hue) (0~100)
- g. Sharpness (0~7)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Picture Adjust

#### B. Audio Adjust :

- a. Volume (0~100)
- b. Bass (0~100)
- c. Treble (0~100)
- d. Balance (0~100)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

---

C. Special Features :

- a. Language (English/Français/Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. Digital CC (OFF/CC1~4/Service1~6)
- e. Digital CC Style
- f. PIP Position (TL/TC/TR/ML/MR/BL/BC/BR)
- g. Rest All Setting

D. TV Tuner Setup :

- a. Tuner Mode (Cable/Air)
- b. Auto Search
- c. Skip Channel
- d. Digital Audio Out (PCM/Dolby Digital)
- e. Time Zone

(Eastern/Indiana/Central/Mountain/Arizona/Pacific/Alaska/Hawaii)

E. Parental Control :

- a. Parental Lock Enable (ON/OFF)
- b. TV Rating
- c. Move Rating
- d. Block Unrated TV (NO/Yes)
- e. Access Code Edit

## RGB Mode

A. Picture Adjust :

- a. Auto Adjust
- b. Backlight (0~100)
- c. Contrast (0~100)
- d. Brightness (0~100)
- e. Color Temperature (9300/6300/Custom)
- f. Tint (0~100)
- g. H-Size (0~255)
- h. Horizontal Shift (0~63)
- i. Fine Tune (0~31)

---

B. Audio Adjust :

- a. Volume (0~100)
- b. Bass (0~100)
- c. Treble (0~100)
- d. Balance (0~100)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

C. Special Features :

- a. Language (English/Français/Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. PIP Position (TL/TC/TR/ML/MR/BL/BC/BR)
- d. Rest All Setting

## AV COMPONENT MODE

A. Picture Adjust :

- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100)
- c. Contrast (0~100)
- d. Brightness (0~100)
- e. Color (saturation)(0~100)
- f. Tint (hue) (0~100)
- g. Sharpness (0~7)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Picture Adjust

B. Audio Adjust :

- a. Volume (0~100)
- b. Bass (0~100)
- c. Treble (0~100)
- d. Balance (0~100)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

---

C. Special Features :

- a. Language (English/Français/Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. Analog CC (OFF/CC1~4/TT1~4)
- d. PIP Position (TL/TC/TR/ML/MR/BL/BC/BR)
- e. Rest All Setting

D. Parental Control :

- a. Parental Lock Enable (ON/OFF)
- b. TV Rating
- c. Move Rating
- d. Block Unrated TV (NO/Yes)
- e. Access Code Edit

## HDMI MODE :

A. Picture Adjust :

- a. Picture Mode (Standard/Movie /Game / Custom)
- b. Backlight (0~100)
- c. Contrast (0~100)
- d. Brightness (0~100)
- e. Color (saturation)(0~100)
- f. Tint (hue) (0~100)
- g. Sharpness (0~7)
- h. Color Temperature (Cool/Normal/Warm/Custom)
- i. Advanced Picture Adjust

B. Audio Adjust :

- a. Volume (0~100)
- b. Bass (0~100)
- c. Treble (0~100)
- d. Balance (0~100)
- e. Surround (ON/OFF)
- f. Speakers (ON/OFF)

---

C. Special Features :

- a. Language (English/Français/Español)
- b. Sleep Timer (OFF/30Min/60Min/90Min/120Min)
- c. PIP Position (TL/TC/TR/ML/MR/BL/BC/BR)
- d. Rest All Setting

## Chapter4      Factory preset timings

---

This timing chart is already preset for the TFT LCD analog & digital display monitors.

Resolution	Refresh rate	Horizontal Frequency	Vertical Frequency	Horizontal Polarity	Vertical Polarity	Pixel Rate
640x480	60Hz	31.5kHz	59.94Hz	N	N	25.175
640x480	75Hz	37.5kHz	75.00Hz	N	N	31.500
800X600	60Hz	37.9kHz	60.317Hz	P	P	40.000
800x600	75Hz	46.9kHz	75.00Hz	P	P	49.500
800X600	85Hz	53.7kHz	85.06Hz	P	P	56.250
1024x768	60Hz	48.4kHz	60.01Hz	N	N	65.000
1024X768	75Hz	60.0kHz	75.03Hz	P	P	78.750
720x400	70Hz	31.46kHz	70.08Hz	N	P	28.320
1366X768	60	47.7KHZ	60.00HZ	P	N	85.500

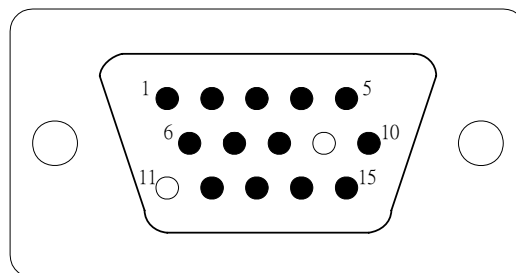
Remark:      P: positive      N: negative

## Chapter 5 Pin Assignment

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The TFT LCD analog display monitors use a 15 Pin Mini D-Sub connector as video input source.

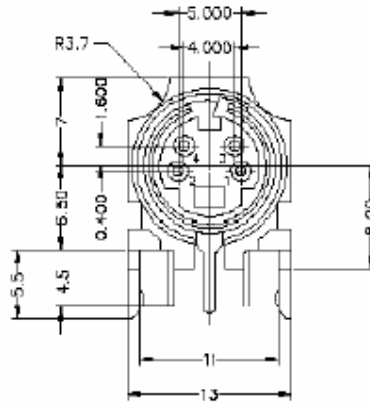
Pin	Description
1	Red
2	Green
3	Blue
4	Ground
5	Ground
6	R-Ground
7	G-Ground
8	B-Ground
9	+5V for DDC
10	Ground
11	No Connection
12	(SDA)
13	H-Sync (Composite Sync)
14	V-Sync
15	(SCL)







### a. Pin Assignment



- b. Signal Level Video (Y): Analog 0.1Vp-p/75Ω  
Video (C): Analog 0.286p-p/75  
Sync (H+V): 0.3V below Video (Y)
- c. Frequency H: 15.734KHz V: 60Hz (NTSC)  
Signal Level Video (Y) : Analog 0.1Vp-p/75Ω  
Video (C) : Analog 0.286p-p/75Ω  
Sync (H+V): 0.3V below Video (Y)  
Frequency H: 15.734Khz V: 60HZ (NTSC)

## F-Type TV RF connector

- a. Signal Level 60dBμV typical
- b. System NTSC
- c. Frequency 55~801MHz (NTSC)

## PC connector 15 pin male D-sub connector

- a. Pin Assignment Refer to Section 2.3.10
- b. Signal Level Video (R, G, B): Analog 0.7Vp-p/75Ω  
Sync (H, V): TTL level

---

RGB Signal:

- a. Sync Type TTL (Separate / Composite) or Sync. On Green
- b. Sync polarity Positive or Negative
- c. Video Amplitude RGB: 0.7Vp-p
- d. Frequency H: support to 30K~70KHz  
V: support to 50~85Hz  
Pixel Clock: support to 110MHz

HDMI Signal (HDMI):

- a. Pin Assignment Refer to HDNI Pin Assignment
- b. Type A
- c. Polarity Positive or Negative
- d. Frequency
  - H: 15.734KHz V: 60Hz (NTSC-480i)
  - H: 31KHz V: 60Hz (NTSC-480p)
  - H: 45KHz V: 60Hz (NTSC-720p)
  - H: 33KHz V: 60Hz (NTSC-1080i)

Component signal (Component 1 and Component 2)

Component 1

- a. Frequency H: 15.734KHz V: 60Hz (NTSC-480i)
  - H: 31KHz V: 60Hz (NTSC-480p)
  - H: 45KHz V: 60Hz (NTSC-720p)
  - H: 33KHz V: 60Hz (NTSC-1080i)
- b. Signal level Y: 1Vp-p Pb:  $\pm 0.350$ Vp-p Pr:  $\pm 0.350$ Vp-p
- c. Impedance 75 $\Omega$

Component 2

- a. Frequency H: 15.734KHz V: 60Hz (NTSC-480i)
  - H: 31KHz V: 60Hz (NTSC-480p)
  - H: 45KHz V: 60Hz (NTSC-720p)
  - H: 33KHz V: 60Hz (NTSC-1080i)
- b. Signal level Y: 1Vp-p Pb:  $\pm 0.350$ Vp-p Pr:  $\pm 0.350$ Vp-p
- c. Impedance 75 $\Omega$

## Chapter 6 Main Board I/o Connections

---

### J6 CONNECTION (TOP→BOTTOM)

Pin	Description
1	“+5V”
2	“+3.3V”
3	“ADCKEY”
4	“LED”
5	“PWR KEY”
6	“GND”
7	“GND”
8	“IR”

### J7 CONNECTION (TOP→BOTTOM)

Pin	Description
1	“POWRSW”
2	“+12V”
3	“+12V”
4	“+12V”
5	“GND”
6	“GND”
7	“GND”
8	“GND”
9	“GND”
10	“+5V”
11	“+5V”
12	+5V
13	“PWM”
14	“BL ON/OFF”

# Chapter 7 Theory of Circuit Operation

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## **The operation of D-SUB 15pin route**

The D-SUB 15pin is input analog signal to the MTK8202 transfer A/D converter then generates the vertical and horizontal timing signals for display device.

## **The operation of HDMI CON route**

The HDMI 1&2 CON is input digital signal to the PI3HDMI412FT switch output signal is process to the MT8293. Then transfer to the MTK8202, the MTK8202 generates the vertical and horizontal timing signals for display device.

## **The operation of HDTV & Component route**

HDTV & Component signal is input to the MTK8202 then MTK8202 generates the vertical and horizontal timing signals for display device.

## **The operation of Video 1,2,3 & S-Video route**

The Video 1,2 and S-Video signal is transmission signal to the MTK8202 then MTK8202 generates the vertical and horizontal timing signals for display device.

## **The operation of TV route**

TV signal is processes to the tuner and output to MTK8202 then MTK8202 generates the vertical and horizontal timing signals for display device. Audio is processes to the tuner output to SIF circuit and output to MTK8202. Then MTK8202 process to wm8776 and output to TDA8946J transfer to speaker

## **The operation of DTV route**

DTV signal is processes to the tuner and transmission to MT5112 and output signal to MT5351 then MT5351 output to MT8202 generates the vertical and horizontal timing signals for display device.

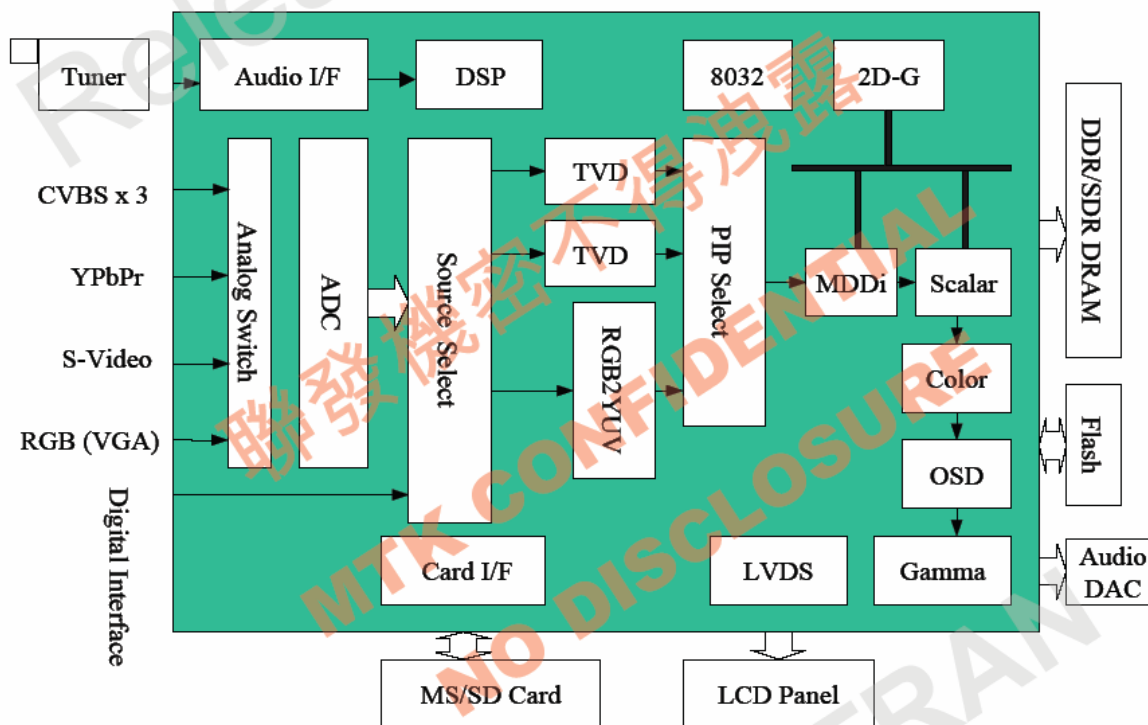
## **The operation of keypad**

There are 7 keys to control and select the function of L42 and also has one LED to indicate the status of operation. They are "Power, ▼▲, + -, Input, OSD".

## MT8202 Application

MT8202 is a highly integrated video and audio single chip processor for emerging HDTV-Ready LCD TV. It includes one 3D/2D TV Decoder recovering the best image from CVBS, and in addition, its analog input also support popular S-Video, Component, VGA video source. On-chip advanced motion adaptive de-interlacer (MDDitm) converts accordingly the interlace video into smooth non-flicking progressive motion pictures. With on-chip advanced 2D Graphic processor, MT8202 provides customers with high quality UI adding significant end product value. Flexible scalar provides wide adoption to various LCD panel for different video sources. Its on-chip audio processor decodes whole world standard audio signals from tuner with lip sync control, delivering high quality post-processed sound effect to customers. On-chip microprocessor and reference FW reduces the system BOM and shortens the schedule of UI design by high-level C program. With truly SOC design, MT8202 offers our customers the real cost-effective high performance HDTV-ready solution.

## BOLOCK DIAGRAM



---

## **1. Video input**

### **a. Input Multiplexing**

- 1.component X2
- 2.composite X2
- 3.s-videoX1
- 4.HDMI X2
- 5.VGA X1
- 6.RF&DTV X1

### **b. Input formats:**

- 1.support HDTV 480i/480p/720p/1080p
- 2.support Y/C signal 1VP-P/75 $\Omega$
- 3.support Y/C signal 1VP-P/75 $\Omega$
- 4.support 480i/408p/720p/1080i/1080p
- 5.support VGA input up to 1366x168@60HZ
- 6.support RF NTSC system Frequency 55~801MHZ;DTV 480i/480p/720p/1080p

## **2. Decoder**

### **TVD**

- 1.Single 2nd generation TV decoder
- 2.Automatic TV standard detection supporting NTSC, NTSC-4.43, PAL (B, G, D, H, M, N, I, Nc), PAL (Nc), PAL, SECAM
- 3.Enhanced 2nd generation NTSC/PAL Motion Adaptive 3D comb filter
- 4.Motion Adaptive 3D Noise Reduction
- 5.Embedded VBI decoder for Closed-Caption/XDS/ Teletext/WSS/VPS
- 6.Supporting Macro vision detection

### **YPbPr/Scart/D-connector**

- 1.Supporting HDTV 480i/480p/576i/576p/720p/1080i input
- 2.Smart detection on Scart function for European region
- 3.Smart detection on D-connector for Japan region
- 4.Supporting SCART RGB inputs mixed with composite signal by adjustable horizontal delay

---

**VGA**

- 1.Supporting various VGA input timings up to SXGA (1280x1024@75Hz).
- 2.Supporting Separate/Composite/SOG sync types

**Digital port**

- 1.1 digital port supporting DVI 24-bit RGB or CCIR-656/601 digital video input format
- 2.1 additional 8 bit digital port for ITU656 video format

**VBI**

- 1.Dual VBI decoders for the application of V-Chip/Closed-Caption/XDS/ Teletext/WSS/VPS
- 2.Supporting external VBI decoder by YPrPb input
- 3.VBI decoder up to 1000 pages Teletext.

**3. Support Formats:**

Support NTSC, NTSC-4.43

Automatic Luma / Chroma gain control

Automatic TV standard detection

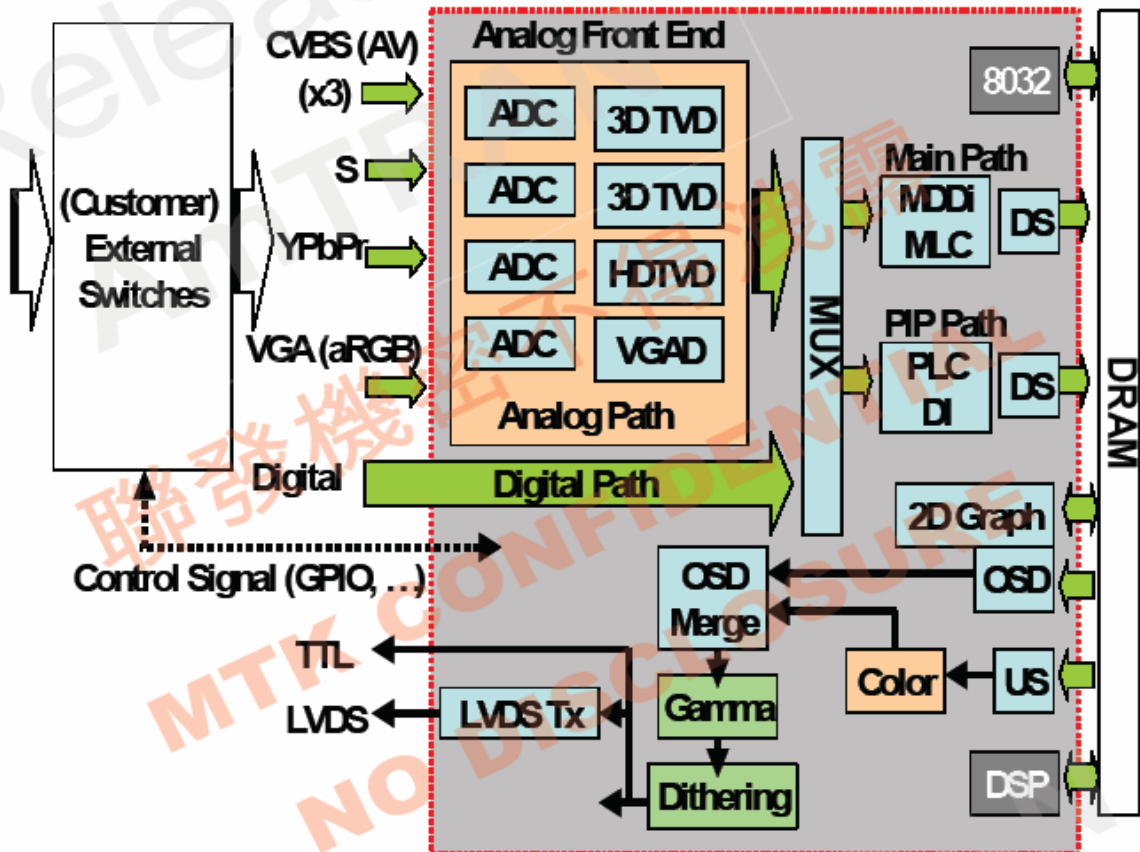
NTSC Motion Adaptive 3D comb filter

Motion adaptive 3D Noise Reduction

VBI decoder for closed-caption/XDS/Teletext/WSS/VPS

Macro vision detection

## BOLOCK DIAGRAM



### 4. 2D-Graphic/OSD processor

Embedded two backend RGB domain OSD planes and one YUV domain OSD plane. to support Main/PIP Teletext/Close-caption functions together with setup menu

- 1.Supporting alpha blending among these two planes and video
- 2.Supporting Text/Bitmap decoder
- 3.Supporting line/rectangle/gradient fill
- 4.Supporting bitblt
- 5.Supporting color Key function
- 6.Supporting Clip Mask
- 7.65535/256/16/4/2-color bitmap format OSD,
- 8.Automatic vertical scrolling of OSD image
- 9.Supporting OSD mirror and upside down

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## 5. Microprocessor interface

When power is supplied and power key is pressed then the rest circuit lets Reset to low state that will reset the MTK8202 to initial state. After that the Reset will transits to high state and the MTK8202 start to work that microprocessor executes the programs and configures the internal registers. The execution speed of CPU is 162 MHz.

1. The I/O ports are configured as follows :

Pin name	Function	Type	Description
AD17	PWM	Output	Backlight Adjust
R3	GPIO2	Output	Panel on/off
V1	GPIO7	Output	System power
Y2	GPIO16	Output	LVDS on/off
R4	GPIO3	Output	ATSC POW on/off
AD22	IOSCL	Input / Output	SDA
AV22	IOSDA	Input / Output	SCL
W3	GPIO13	Output	HDMI Switch Select
Y4	GPIO_18	Output	MT8293 Reset
W4	GPIO_14	Output	MT8293 acknowledge to player
B19	ADC_IN0	Input	Key ADC detection
L4	IR	Input	IR Receiver
Y1	GPIO_15	Output	SYSTEM EEPROM Read / Write
T2	GPIO_23	Output	LED Backlight
L2	RESETn	Input	MT8202 RESET
R2	GPIO_1	Output	DTV & HDMI Select PIN
T4	GPIO_4	Output	DTV & ATV Select PIN

## 2. PIP/POP HARDWARE LIMITATION:

MAIM/PIP TABLE (8202)								
	PIP	TV	ATSC (DTV)	AV1	AV2/S-VIDEO	COMPONENT 1&2	HDMI 1&2	PC
MAIN								
TV		X	X	X	O	O	O	
ATSC (DTV)		X	X	X	O	X	O	
AV1		X	X	X	O	O	O	
AV2/ S-VIDEO		X	X	X	O	O	O	
COMPONENT 1&2		O	O	O		O	X	
HDMI 1&2		O	X	O	O		O	
PC		O	O	O	X	O		

---

## 6. Video processor

### 1. Color Management

- Fully 10-bit processing to enhance the video quality
- Advanced flesh tone and multiple-color enhancement. (For skin, sky, and grass...)
- Gamma/anti-Gamma correction
- Advanced Color Transient Improvement (CTI)
- Saturation/hue adjustment

### 2. Contrast/Brightness/Sharpness Management

- Sharpness and DLTI/DCTI
- Brightness and contrast adjustment
- Black level extender
- White peak level limiter
- Adaptive Luma/Chroma management

### 3. De-interlacing

- 2nd generation advanced Motion adaptive de-interlacing
- Automatic detect film or video source
- 3:2/2:2 pull down source detection
- Main/PIP 2 independent de-interlacing processor

### 4. Scaling

- 2nd generation high resolution arbitrary ratio vertical/horizontal scaling of video, from 1/32X to 32X
- Advanced linear and non-linear Panorama scaling
- Programmable Zoom viewer
- Picture-in-Picture (PIP)
- Picture-Out-Picture (POP)

### 5. Display

- Advanced dithering processing for LCD display with 6/8/10 bit output
- 10bit gamma correction
- Supporting alpha blending for Video and two OSD planes
- Frame rate conversion

---

#### 6. Seamless performance comparing demonstration function

Support Left/Right video processing comparing function without additional resources (DRAM...) for customers' demonstration

All the video functions (De-interlace/3D comb/NR/Flesh tone/CTI) can be included

#### 7. DRAM Usage

1. For features of 8202, Dual for enhance features support, and single 8x16 DDR for simple function support Lists are the comparison chart between function support lists of (2xDDR) and (1xDDR)

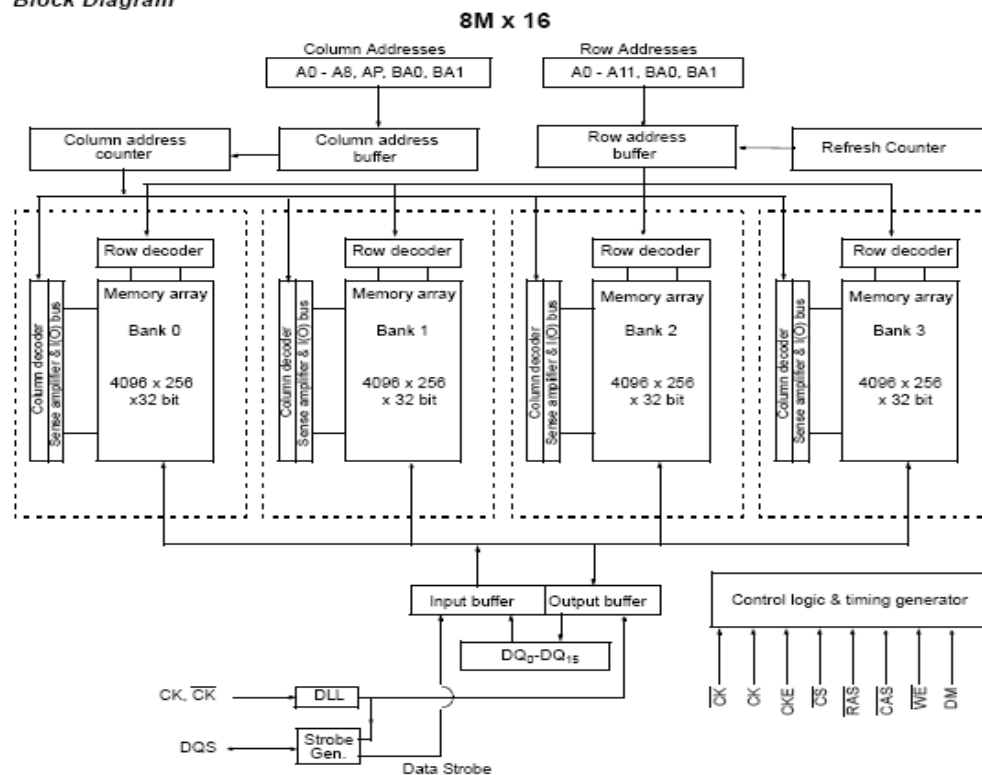
	DDR*1(16MB)	DDR*2(32MB)
NR	Y	Y
3D-Comb	Y	Y
MDDi	*480i/576i	1080i
PIP	*Y	Y
POP	*Y	Y
Display	1024x768	1366x768 1280x1024 1440x900

2. For single DDR, 8202 only support 1080i bob mode de-interlacing. (Non-3D de interlace)

3. With single DDR, it is suggested not to support PIP/POP features. Due to DDR Bandwidth limitation on PIP/POP when single DDR.

## 8.DDR SDRAM (V58C2128164SBI5) Application

Block Diagram



## Pin description

### Signal Pin Description

Pin	Type	Signal	Polarity	Function
CK $\overline{\text{CK}}$	Input	Pulse	Positive Edge	The system clock input. All inputs except DQs and DMs are sampled on the rising edge of CK.
CKE	Input	Level	Active High	Activates the CK signal when high and deactivates the CK signal when low, thereby initiates either the Power Down mode, or the Self Refresh mode.
$\overline{\text{CS}}$	Input	Pulse	Active Low	$\overline{\text{CS}}$ enables the command decoder when low and disables the command decoder when high. When the command decoder is disabled, new commands are ignored but previous operations continue.
$\overline{\text{RAS}}, \overline{\text{CAS}}, \overline{\text{WE}}$	Input	Pulse	Active Low	When sampled at the positive rising edge of the clock, $\overline{\text{CAS}}, \overline{\text{RAS}},$ and $\overline{\text{WE}}$ define the command to be executed by the SDRAM.
DQS	Input/ Output	Pulse	Active High	Active on both edges for data input and output. Center aligned to input data Edge aligned to output data
A0 - A11	Input	Level	—	During a Bank Activate command cycle, A0-A11 defines the row address (RA0-RA11) when sampled at the rising clock edge. During a Read or Write command cycle, A0-An defines the column address (CA0-CAn) when sampled at the rising clock edge. CAn depends on the SDRAM organization: 32M x 4 DDR CAn = CA0, A11 16M x 8 DDR CAn = CA0 8M x 16 DDR CAn = CA0  In addition to the column address, A10(=AP) is used to invoke autoprecharge operation at the end of the burst read or write cycle. If A10 is high, autoprecharge is selected and BA0, BA1 defines the bank to be precharged. If A10 is low, autoprecharge is disabled. During a Precharge command cycle, A10(=AP) is used in conjunction with BA0 and BA1 to control which bank(s) to precharge. If A10 is high, all four banks will be precharged simultaneously regardless of state of BA0 and BA1.
BA0, BA1	Input	Level	—	Selects which bank is to be active.
DQx	Input/ Output	Level	—	Data Input/Output pins operate in the same manner as on conventional DRAMs.
DM, LDM, UDM	Input	Pulse	Active High	In Write mode, DM has a latency of zero and operates as a word mask by allowing input data to be written if it is low but blocks the write operation if it is high for x 16 LDM corresponds to data on DQ0-DQ7, UDM corresponds to data on DQ8-DQ15.
VDD, VSS	Supply			Power and ground for the input buffers and the core logic.
VDDQ VSSQ	Supply	—	—	Isolated power supply and ground for the output buffers to provide improved noise immunity.
VREF	Input	Level	—	SSTL Reference Voltage for Inputs

## Command Truth Table

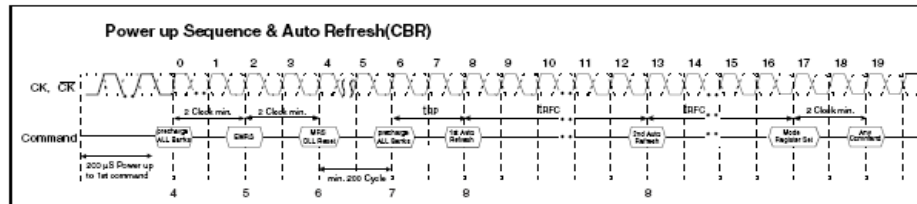
Command	CKEn-1	CKEn	CS	RAS	CAS	WE	ADDR	A10/ AP	BA	Note	
Mode Register Set	H	X	L	L	L	L	OP code			1,2	
Extended Mode Register Set	H	X	L	L	L	L	OP code			1,2	
Device Deselect	H	X	H	X	X	X	X			1	
No Operation			L	H	H	H					
Bank Active	H	X	L	L	H	H	RA		V	1	
Read	H	X	L	H	L	H	CA	L	V	1	
Read with Autoprecharge								H		1,3	
Write	H	X	L	H	L	L	CA	L	V	1	
Write with Autoprecharge								H		1,4	
Precharge All Banks	H	X	L	L	H	L	X	H	X	1,5	
Precharge selected Bank								L	V	1	
Read Burst Stop	H	X	L	H	H	L	X			1	
Auto Refresh	H	H	L	L	L	H	X			1	
Self Refresh	Entry	H	L	L	L	L	H	X			1
	Exit	L	H	H	X	X	X				1
				L	H	H	H				
Precharge Power Down Mode	Entry	H	L	H	X	X	X	X			1
				L	H	H	H				1
	Exit	L	H	H	X	X	X				1
				L	H	H	H				1
Active Power Down Mode	Entry	H	L	H	X	X	X	X			1
				L	V	V	V				1
	Exit	L	H	X							1

( H=Logic High Level, L=Logic Low Level, X=Don't Care, V=Valid Data Input, OP Code=Operand Code, NOP=No Operation )

### 1. Power-Up Functional Description

The following sequence is required for POWER UP.

1. Apply power and attempt to maintain CKE at a low state (all other inputs may be undefined.)
  - Apply VDD before or at the same time as VDDQ.
  - Apply VDDQ before or at the same time as VTT & Vref.
2. Start clock and maintain stable condition for a minimum of 200us.
3. The minimum of 200us after stable power and clock (CLK, CLK), apply NOP & take CKE high.
4. Precharge all banks.
5. Issue EMRS to enable DLL.(To issue "DLL Enable" command, provide "Low" to A0, "High" to BA0 and "Low" to all of the rest address pins, A1~A11 and BA1)
6. Issue a mode register set command for "DLL reset". The additional 200 cycles of clock input is required to lock the DLL. (To issue DLL reset command, provide "High" to A8 and "Low" to BA0)
7. Issue precharge commands for all banks of the device.
8. Issue 2 or more auto-refresh commands.
9. Issue a mode register set command to initialize device operation

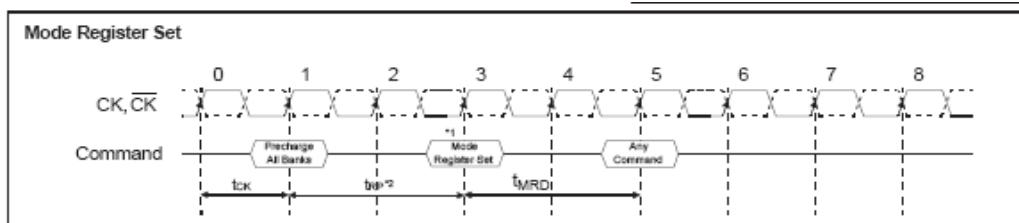
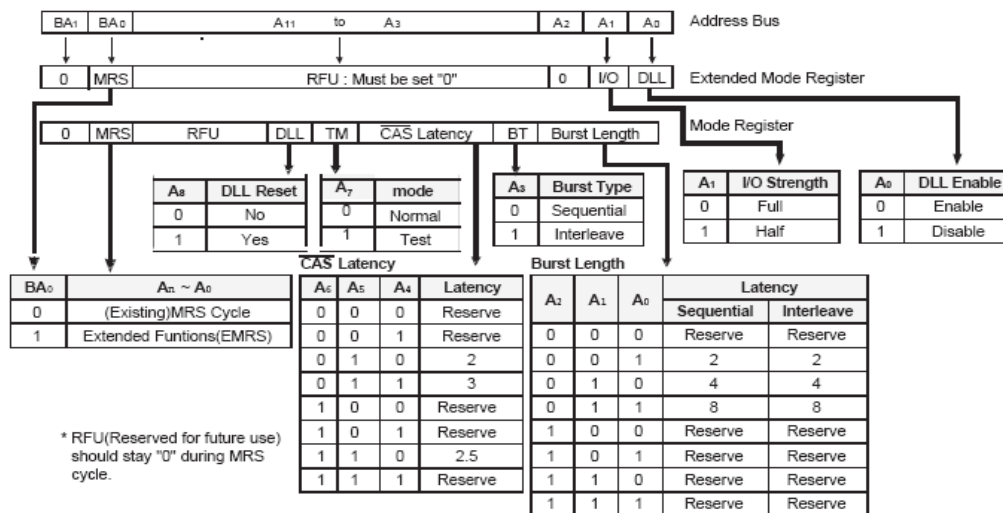


## 2. Mode Register Set (MRS)

The mode register stores the data for controlling the various operating modes of DDR SDRAM. It programs CAS latency, addressing mode, burst length, test mode, DLL reset and various vendor specific options to make DDR SDRAM useful for a variety of different applications. The default value of the mode register is not defined, therefore the mode register must be written after EMRS setting for proper DDR SDRAM operation.

The mode register is written by asserting low on CS, RAS, CAS, WE and BA0 (The DDR SDRAM should be in all bank precharge with CKE already high prior to writing into the mode register). The state of address pins A0 ~ A11 in the same cycle as CS, RAS, CAS, WE and BA0 low is written in the mode register. Two clock cycles are required to meet tMRD spec. The mode register contents can be changed using the same command and clock cycle requirements during operation as long as all banks are in the idle state. The mode register is divided into various fields depending on functionality. The burst length uses A0 ~ A2, addressing mode uses A3, CAS latency (read latency from column address) uses A4 ~ A6. A7 is a ProMOS specific test mode during production test. A8 is used for DLL reset. A7 must be set to low for normal MRS operation. Refer to the table for specific codes for various burst length, addressing modes and CAS latencies.

1. MRS can be issued only at all banks precharge state.
2. Minimum tRP is required to issue MRS command.



### 3. Precharge

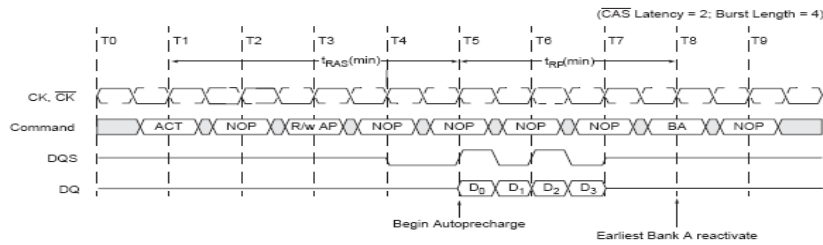
The Auto Precharge operation can be issued by having column address A10 high when a Read or Write command is issued. If A10 is low when a Read or Write command is issued, then normal Read or Write burst operation is executed and the bank remains active at the completion of the burst sequence. When the Auto Precharge command is activated, the active bank automatically begins to precharge at the earliest possible moment during the Read or Write cycle once t<sub>RAS</sub>(min) is satisfied.

#### Read with Auto Precharge

If a Read with Auto Precharge command is initiated, the DDR SDRAM will enter the precharge operation N-clock cycles measured from the last data of the burst read cycle where N is equal to the CAS latency programmed into the device. Once the autoprecharge operation has begun, the bank cannot be reactivated until the minimum precharge time (t<sub>RP</sub>) has been satisfied.



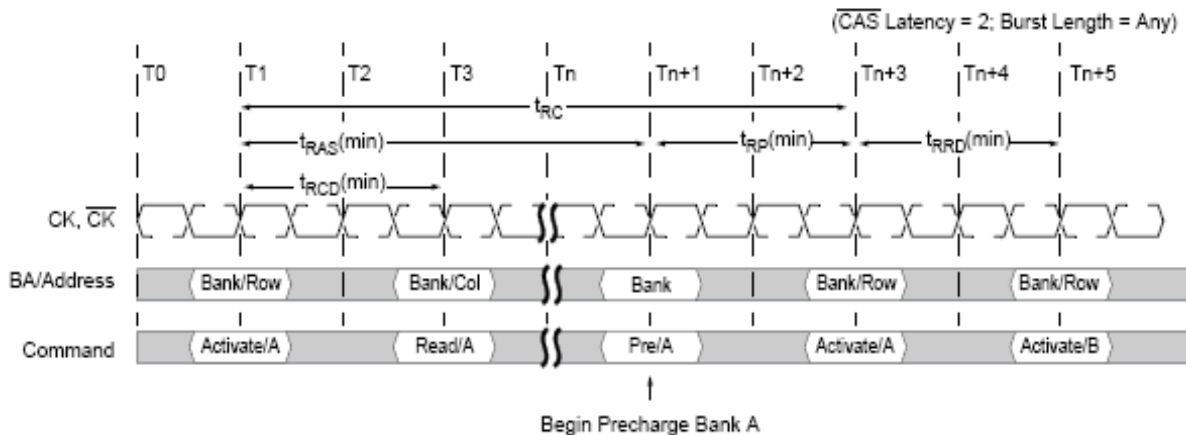
#### Read with Autoprecharge Timing



#### 4. Bank Activate Command

The Bank Activate command is issued by holding CAS and WE high with CS and RAS low at the rising edge of the clock. The DDR SDRAM has four independent banks, so two Bank Select addresses (BA0 and BA1) are supported. The Bank Activate command must be applied before any Read or Write operation can be executed. The delay from the Bank Activate command to the first Read or Write command must meet or exceed the minimum RAS to CAS delay time ( $t_{RCD}$  min). Once a bank has been activated, it must be precharged before another Bank Activate command can be applied to the same bank. The minimum time interval between interleaved Bank Activate commands (Bank A to Bank B and vice versa) is the Bank to Bank delay time ( $t_{RRD}$  min).

#### Bank Activation Timing

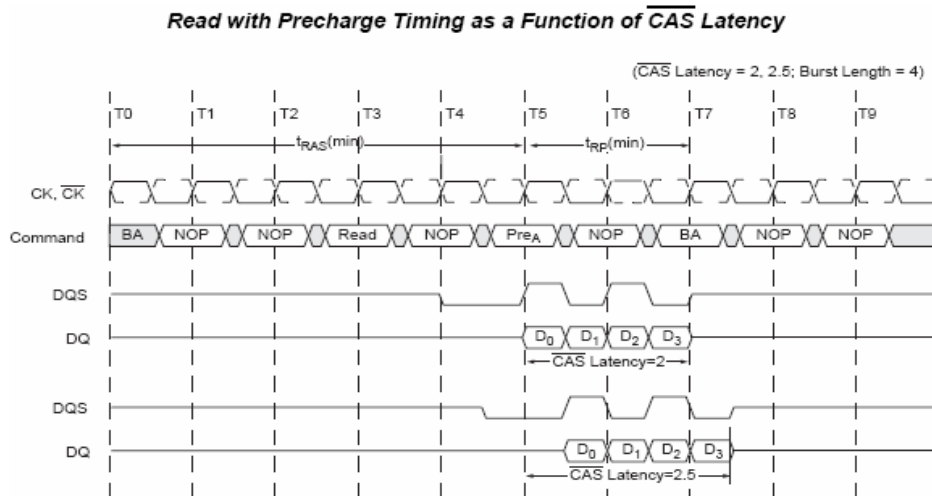


## 5. Read Operation

With the DLL enabled, all devices operating at the same frequency within a system are ensured to have the same timing relationship between DQ and DQS relative to the CK input regardless of device density, process variation, or technology generation. The data strobe signal (DQS) is driven off chip simultaneously with the output data (DQ) during each read cycle. The same internal clock phase is used to drive both the output data and data strobe signal off chip to minimize skew between data strobe and output data. This internal clock phase is nominally aligned to the input differential clock (CK, CK) by the on-chip DLL. Therefore, when the DLL is enabled and the clock frequency is within the specified range for proper DLL operation, the data strobe (DQS), output data (DQ), and the system clock (CK) are all nominally aligned. Since the data strobe and output data are tightly coupled in the system, the data strobe signal may be delayed and used to latch the output data into the receiving device. The tolerance for skew between DQS and DQ ( $t_{DQSQ}$ ) is tighter than that possible for CK to DQ ( $t_{AC}$ ) or DQS to CK ( $t_{DQSCK}$ ).

## 6. Precharge Timing During Read Operation

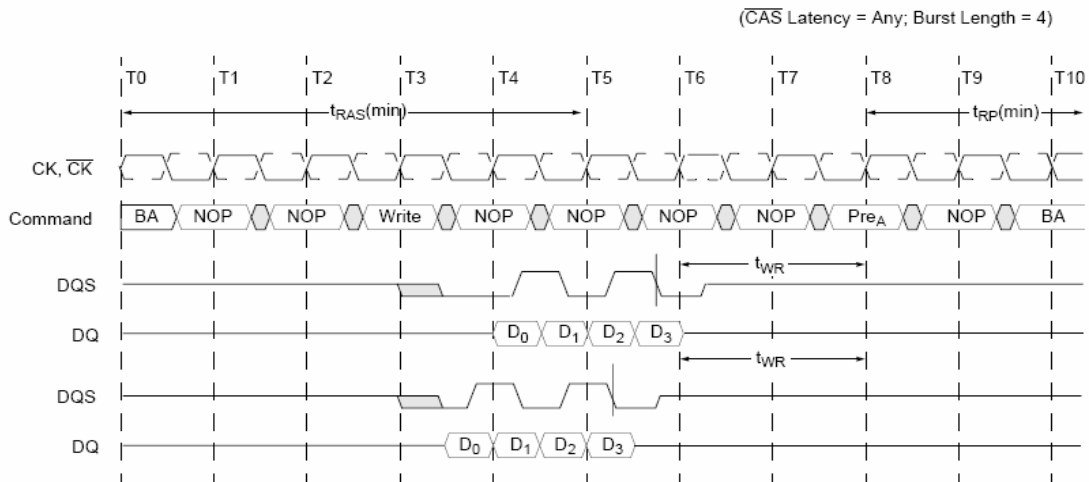
For the earliest possible Precharge command without interrupting a Read burst, the Precharge command may be issued on the rising clock edge, which is CAS latency (CL) clock cycles before the end of the Read burst. A new Bank Activate (BA) command may be issued to the same bank after the RAS precharge time ( $t_{RP}$ ). A Precharge command can not be issued until  $t_{RAS}(\min)$  is satisfied.



## 7. Precharge Timing During Write Operation

Precharge timing for Write operations in DRAMs requires enough time to satisfy the write recovery requirement. This is the time required by a DRAM sense amp to fully store the voltage level. For DDR SDRAMs, a timing parameter ( $t_{WR}$ ) is used to indicate the required amount of time between the last valid write operation and a Precharge command to the same bank. The “write recovery” operation begins on the rising clock edge after the last DQS edge that is used to strobe in the last valid write data. “Write recovery” is complete on the next 2nd rising clock edge that is used to strobe in the Precharge command.

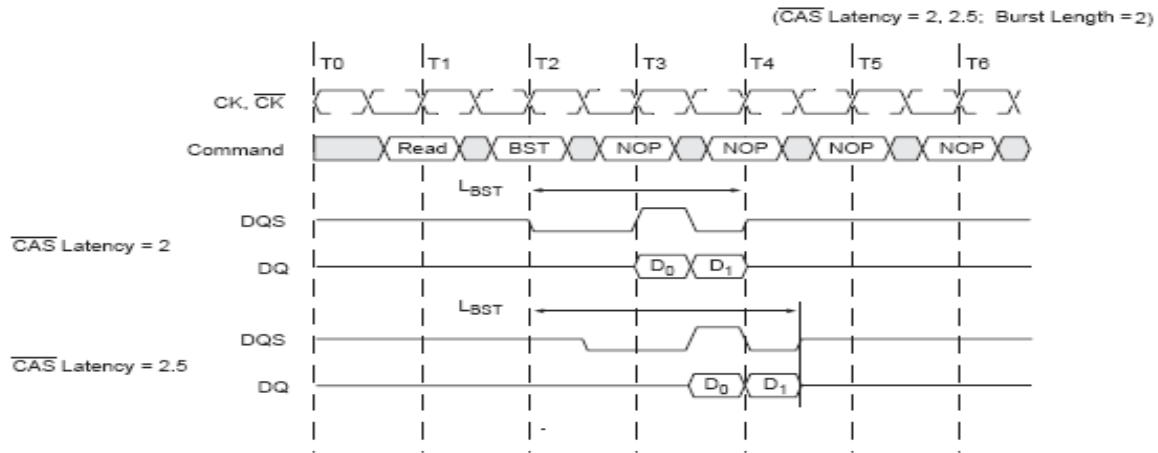
**Write with Precharge Timing**



## 8. Burst Stop Command

The Burst Stop command is valid only during burst read cycles and is initiated by having RAS and CAS high with CS and WE low at the rising edge of the clock. When the Burst Stop command is issued during a burst Read cycle, both the output data (DQ) and data strobe (DQS) go to a high impedance state after a delay (LBST) equal to the CAS latency programmed into the device. If the Burst Stop command is issued during a burst Write cycle, the command will be treated as a NOP command.

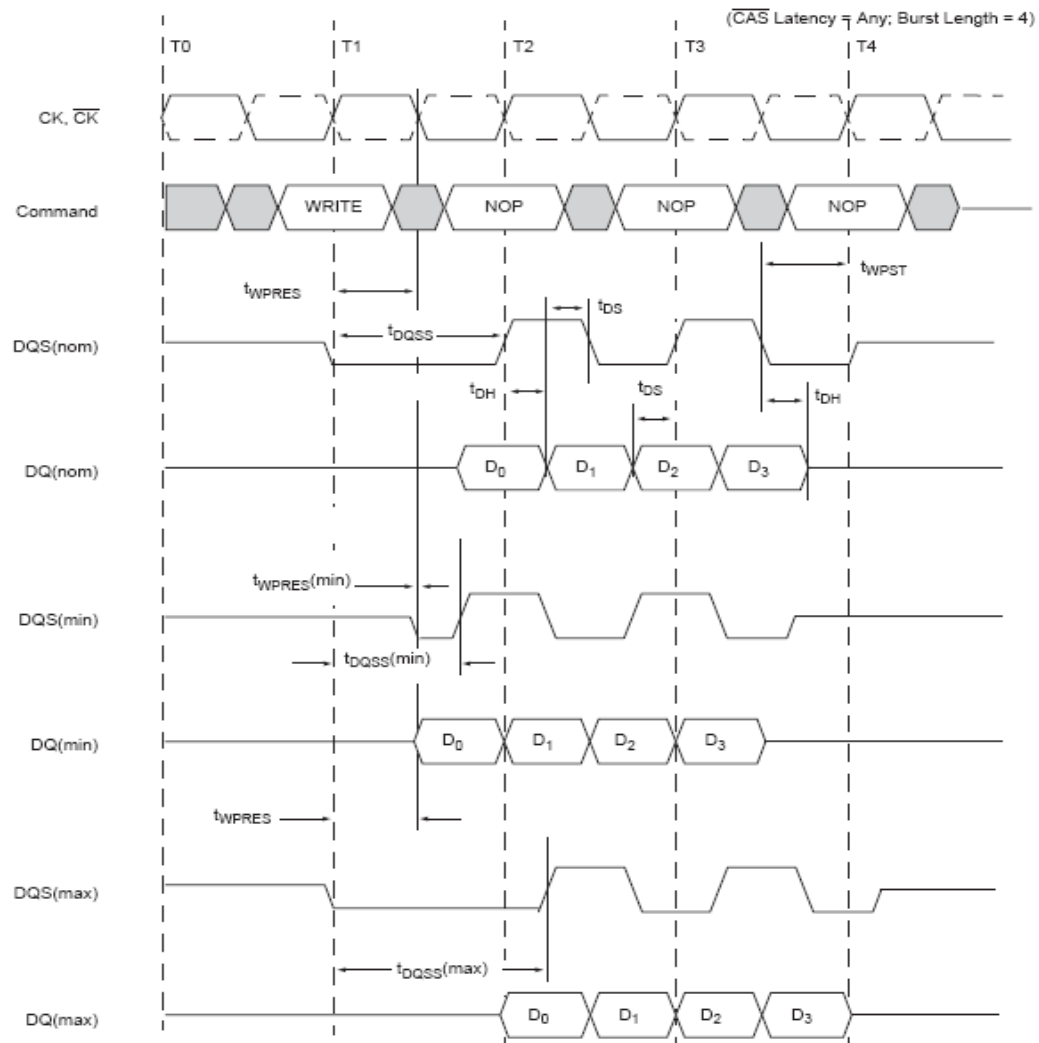
### Read Terminated by Burst Stop Command Timing



## 9. Burst Write Operation

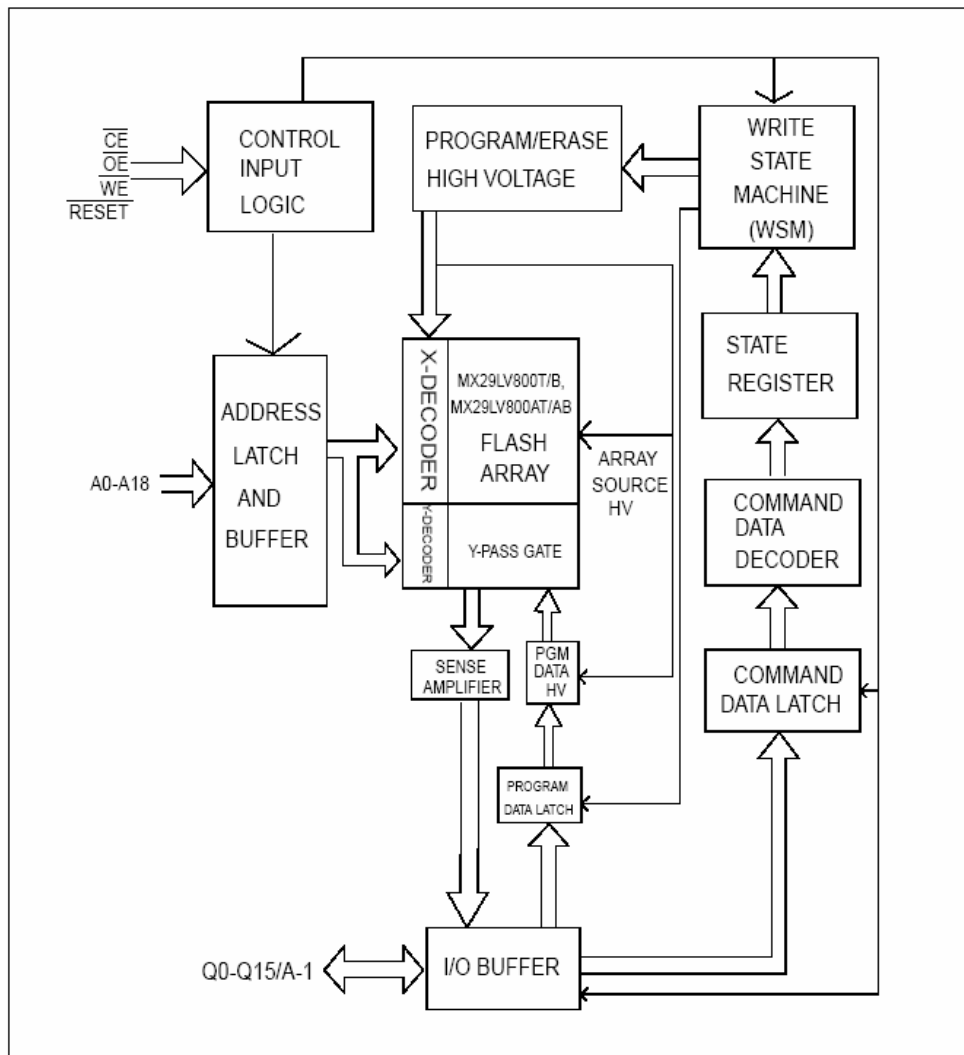
The Burst Write command is issued by having CS, CAS, and WE low while holding RAS high at the rising edge of the clock. The address inputs determine the starting column address. The memory controller is required to provide an input data strobe (DQS) to the DDR SDRAM to strobe or latch the input data (DQ) and data mask (DM) into the device. During Write cycles, the data strobe applied to the DDR SDRAM is required to be nominally centered within the data (DQ) and data mask (DM) valid windows. The data strobe must be driven high nominally one clock after the write command has been registered. Timing parameters  $t_{\text{DQSS}}(\text{min})$  and  $t_{\text{DQSS}}(\text{max})$  define the allowable window when the data strobe must be driven high. Input data for the first Burst Write cycle must be applied one clock cycle after the Write command is registered into the device ( $\text{WL}=1$ ). The input data valid window is nominally centered around the midpoint of the data strobe signal. The data window is defined by DQ to DQS setup time ( $t_{\text{QDQSS}}$ ) and DQ to DQS hold time ( $t_{\text{QDQSH}}$ ). All data inputs must be supplied on each rising and falling edge of the data strobe until the burst length is completed. When the burst has finished, any additional data supplied to the DQ pins will be ignored.

### Burst Write Timing



### MX29LV160BTTC (Flash) Application

The MX29LV800T/B & MX29LV800AT/AB is a 8-mega bit Flash memory organized as 1M bytes of 8 bits or 512K words of 16 bits. MXIC's Flash memories offer the most cost-effective and reliable read/write non-volatile random access memory. The MX29LV800T/B & MX29LV800AT/AB is packaged in 44-pin SOP, 48-pin TSOP, and 48-ball CSP. It is designed to be reprogrammed and erased in system or in standard EPROM programmers.



## 1. COMMAND DEFINITIONS

Device operations are selected by writing specific address and data sequences into the command register. Writing incorrect address and data values or writing them in the improper sequence will reset the device to the read mode. Table 5 defines the valid register command sequences. Note that the Erase Suspend (B0H) and Erase Resume (30H) commands are valid only while the Sector Erase operation is in progress.

**TABLE 6. MX29LV800T/B & MX29LV800AT/AB BUS OPERATION**

DESCRIPTION	$\overline{\text{CE}}$	$\overline{\text{OE}}$	$\overline{\text{WE}}$	ADDRESS								Q0~Q7	Q8~Q15	
				A18 A12	A10 A11	A9	A8 A7	A6	A5 A2	A1	A0		BYTE =VIH	BYTE =VIL
Read	L	L	H	AIN								Dout	Dout	=High Z DQ15=A-1
Write	L	H	L	AIN								DIN(3)	DIN	
Reset	X	X	X	X								High Z	High Z	High Z
Temporary sector unlock	X	X	X	AIN								DIN	DIN	High Z
Output Disable	L	H	H	X								High Z	High Z	High Z
Standby	$V_{CC} \pm 0.3V$	X	X	X								High Z	High Z	High Z
Sector Protect	L	H	L	SA	X	X	X	L	X	H	L	DIN	X	X
Sector Unprotected	L	H	L	X	X	X	X	H	X	H	L	DIN	X	X
Sector Protection Verify	L	L	H	SA	X	VID	X	L	X	H	L	CODE(5)	X	X

**NOTES:**

1. Manufacturer and device codes may also be accessed via a command register write sequence. Refer to Table 5.
2. VID is the Silicon-ID-Read high voltage, 11.5V to 12.5V.
3. Refer to Table 5 for valid Data-In during a write operation.
4. X can be VIL or VIH.
5. Code=00H/XX00H means unprotected.  
Code=01H/XX01H means protected.
6. A18~A12=Sector address for sector protect.
7. The sector protect and chip unprotected functions may also be implemented via programming equipment.

## 2. WRITE COMMANDS/COMMAND SEQUENCES

To program data to the device or erase sectors of memory, the system must drive WE and CE to VIL, and OE to VIH. The device features an Unlock Bypass mode to facilitate faster programming. Once the device enters the Unlock Bypass mode, only two write cycles are required to program a byte, instead of four. The "byte Program Command Sequence" section has details on programming data to the device using both standard and Unlock Bypass command sequences. An erase operation can erase one sector, multiple sectors, or the entire device. Table indicates the address space that each sector occupies. A "sector address" consists of the address bits required to uniquely select a sector. The "Writing specific address and data commands or sequences into the command register initiates device operations. Figure 1 defines the valid register command sequences. Writing incorrect address and data values or writing them in the improper sequence resets the device to reading array data. Section has details on erasing a sector or the entire chip, or suspending/resuming the erase operation.

After the system writes the auto select command sequence, the device enters the auto select mode. The system can then read auto select codes from the internal register (which is separate from the memory array) on Q7-Q0. Standard read cycle timings apply in this mode. Refer to the Auto select Mode and Auto select Command Sequence section for more information. ICC2 in the DC Characteristics table represents the active current specification for the write mode. The "AC Characteristics" section contains timing specification table and timing diagrams for write operations.

Figure 1

Sector	Sector Size		Address range		Sector Address						
	Byte Mode	Word Mode	Byte Mode (x8)	Word Mode (x16)	A18	A17	A16	A15	A14	A13	A12
SA0	64Kbytes	32Kwords	00000h-0FFFFh	00000h-07FFFh	0	0	0	0	X	X	X
SA1	64Kbytes	32Kwords	10000h-1FFFFh	08000h-0FFFFh	0	0	0	1	X	X	X
SA2	64Kbytes	32Kwords	20000h-2FFFFh	10000h-17FFFh	0	0	1	0	X	X	X
SA3	64Kbytes	32Kwords	30000h-3FFFFh	18000h-1FFFFh	0	0	1	1	X	X	X
SA4	64Kbytes	32Kwords	40000h-4FFFFh	20000h-27FFFh	0	1	0	0	X	X	X
SA5	64Kbytes	32Kwords	50000h-5FFFFh	28000h-2FFFFh	0	1	0	1	X	X	X
SA6	64Kbytes	32Kwords	60000h-6FFFFh	30000h-37FFFh	0	1	1	0	X	X	X
SA7	64Kbytes	32Kwords	70000h-7FFFFh	38000h-3FFFFh	0	1	1	1	X	X	X
SA8	64Kbytes	32Kwords	80000h-8FFFFh	40000h-47FFFh	1	0	0	0	X	X	X
SA9	64Kbytes	32Kwords	90000h-9FFFFh	48000h-4FFFFh	1	0	0	1	X	X	X
SA10	64Kbytes	32Kwords	A0000h-AFFFFh	50000h-57FFFh	1	0	1	0	X	X	X
SA11	64Kbytes	32Kwords	B0000h-BFFFFh	58000h-5FFFFh	1	0	1	1	X	X	X
SA12	64Kbytes	32Kwords	C0000h-CFFFFh	60000h-67FFFh	1	1	0	0	X	X	X
SA13	64Kbytes	32Kwords	D0000h-DFFFFh	68000h-6FFFFh	1	1	0	1	X	X	X
SA14	64Kbytes	32Kwords	E0000h-EFFFFh	70000h-77FFFh	1	1	1	0	X	X	X
SA15	32Kbytes	16Kwords	F0000h-F7FFFh	78000h-7BFFFh	1	1	1	1	0	X	X
SA16	8Kbytes	4Kwords	F8000h-F9FFFh	7C000h-7CFFFh	1	1	1	1	1	0	0
SA17	8Kbytes	4Kwords	FA000h-FBFFFh	7D000h-7DFFFh	1	1	1	1	1	0	1
SA18	16Kbytes	8Kwords	FC000h-FFFFFh	7E000h-7FFFFh	1	1	1	1	1	1	X

### 3. READ/RESET COMMAND

The read or reset operation is initiated by writing the read/reset command sequence into the command register. Microprocessor read cycles retrieve array data. The device remains enabled for reads until the command register contents are altered. If program-fail or erase-fail happen, the write of F0H will reset the device to abort the operation. A valid command must then be written to place the device in the desired state.



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#### 4. READING ARRAY DATA

The device is automatically set to reading array data after device power-up. No commands are required to retrieve data. The device is also ready to read array data after completing an Automatic Program or Automatic Erase algorithm. After the device accepts an Erase Suspend command, the device enters the Erase Suspend mode. The system can read array data using the standard read timings, except that if it reads at an address within erase suspended sectors, the device outputs status data. After completing a programming operation in the Erase Suspend mode, the system may once again read array data with the same exception. See Erase Suspend/Erase Resume Commands” for more information on this mode. The system must issue the reset command to re-enable the device for reading array data if Q5 goes high, or while in the auto select mode. See the "Reset Command" section, next.

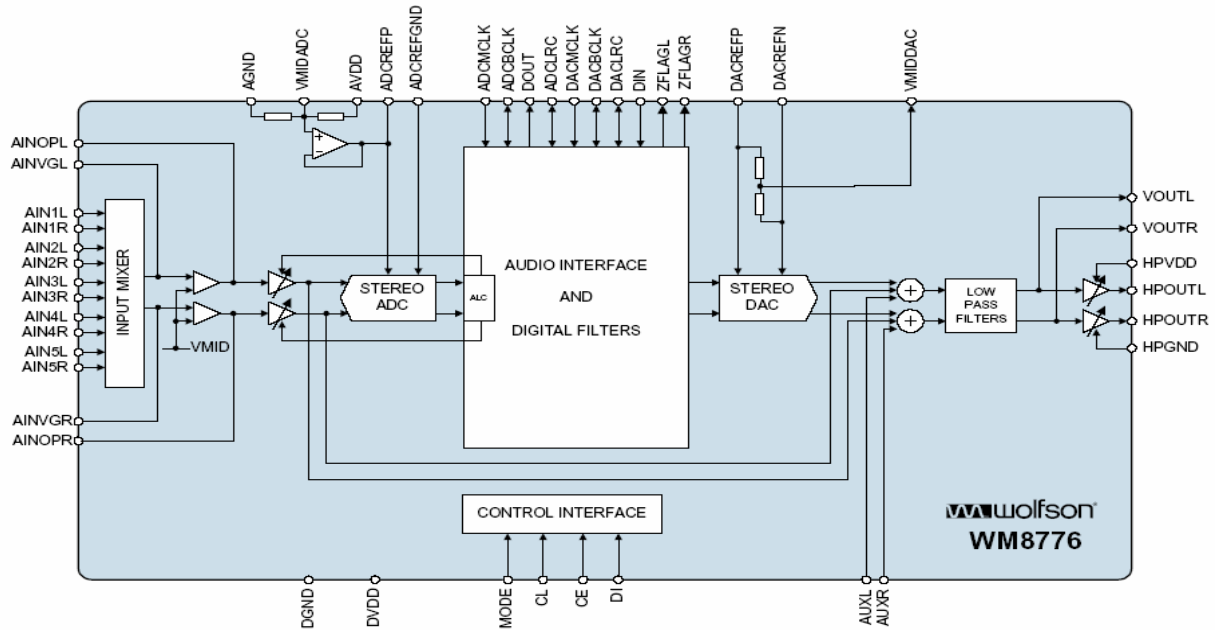
#### 5. RESET COMMAND

Writing the reset command to the device resets the device to reading array data. Addresses bits are don't care for this command. The reset command may be written between the sequence cycles in an erase command sequence before erasing begins. This resets the device to reading array data. Once erasure begins, however, the device ignores reset commands until the operation is complete. The reset command may be written between the sequence cycles in a program command sequence before programming begins. This resets the device to reading array data (also applies to programming in Erase Suspend mode). Once programming begins, however, the device ignores reset commands until the operation is complete. The reset command may be written between the sequence cycles in an SILICON ID READ command sequence. Once in the SILICON ID READ mode, the reset command must be written to return to reading array data (also applies to SILICON ID READ during Erase Suspend). If Q5 goes high during a program or erase operation, writing the reset command returns the device to reading array data (also applies during Erase Suspend).

#### WM8776 Application

The WM8776 is a high performance, stereo audio codec with five channel input selector. The WM8776 is ideal for surround sound processing applications for home hi-fi, DVD-RW and other audiovisual equipment. Each ADC channel has programmable gain control with automatic level control. Digital audio output word lengths from 16-32 bits and sampling rates from 32kHz to 96kHz are supported. The DAC has an input mixer allowing an external analogue signal to be mixed with the DAC signal. There are also Headphone and line outputs, with control for the headphone. The WM8776 supports fully independent sample rates for the ADC and DAC. The audio data interface supports I2S, left justified, right justified and DSP formats.

## BLOCK DIAGRAM



### 1. Audio sample rate

The master clock for WM8776 supports DAC and ADC audio sampling rates 256fs to 768fs, where fs is the audio sample frequency (DACLRC or ADCLRC) typically 32KHZ, 44.1KHZ, 48KHZ or 96KHZ (the DAC also supports operation at 128fs and 192fs and 192KHZ sample rate). The master clock is used to operate the digital filters and the noise shaping circuits.

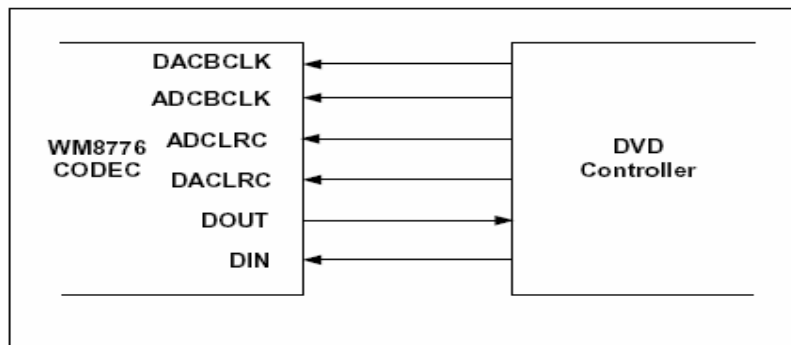
In slave mode the WM8776 has a master detection circuit that automatically determines the relationship between the master clock frequency and the sampling rate (to within +/- 32 system clocks) If there is a greater than 32 clocks error the interface is disabled and ADCLRC/DACLRC for optimal performance, although the WM8776 is tolerant of phase variations or jitter on this clock. Table shows the typical master clock frequency inputs for the WM8776

SAMPLING RATE (DACLRC/ ADCLRC)	System Clock Frequency (MHz)					
	128fs	192fs	256fs	384fs	512fs	768fs
	DAC ONLY					
32kHz	4.096	6.144	8.192	12.288	16.384	24.576
44.1kHz	5.6448	8.467	11.2896	16.9340	22.5792	33.8688
48kHz	6.144	9.216	12.288	18.432	24.576	36.864
96kHz	12.288	18.432	24.576	36.864	Unavailable	Unavailable
192kHz	24.576	36.864	Unavailable	Unavailable	Unavailable	Unavailable

## 2. DIGITAL AUDIO INTERFACE

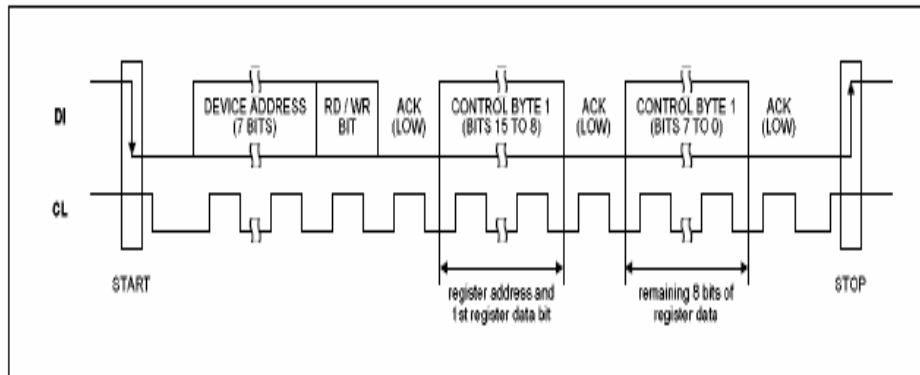
### 1. Slave mode

The audio interfaces operations in either slave mode selectable using the MS control bit. In slave mode DIN is always an input to the WM8776 and DOUT is always an output. The default is Slave mode. In slave mode (ms=0) ADCLRC, DACLRC, ADCBCLK, DACBCLK are input to the WM8776. DIN and DACLRC are sampled by the WM8776 on the rising edge of DACBCLK; ADCLRC is sampled on the rising edge of ADCBCLK. ADC data is output on DOUT and changes on the falling edge of ADCBCLK. By setting control bit BCLKINV the polarity of ADCBCLK and DACBCLK may be reversed so that DIN and DACLRC are sample on the falling edge of DACBCLK, ADCLRC is sampled on the falling edge of ADCBCLK and DOUT changes on the rising of ADCBCLK. Slave mode as shown in the following figure.



### 2. 2 Wire serial control mode

The wm8776 supports software control via a 2-wire serial bus. Many devices can be controlled by the same bus, and each device has a unique 7-bit address (this is not the same as the 7-bit address of each register in the wm8776). The wm8776 operates as a slave device only. 2-wire serial interface as shown in the following figure.



The wm8776 has two possible device addresses, which can be selected using the CE pin  
 In the L32 LCD TV CE pin is LOW (device address is 34h)

CE STATE	DEVICE ADDRESS
Low	0011010 (0 x 34h)
High	0011011 (0 x 36h)

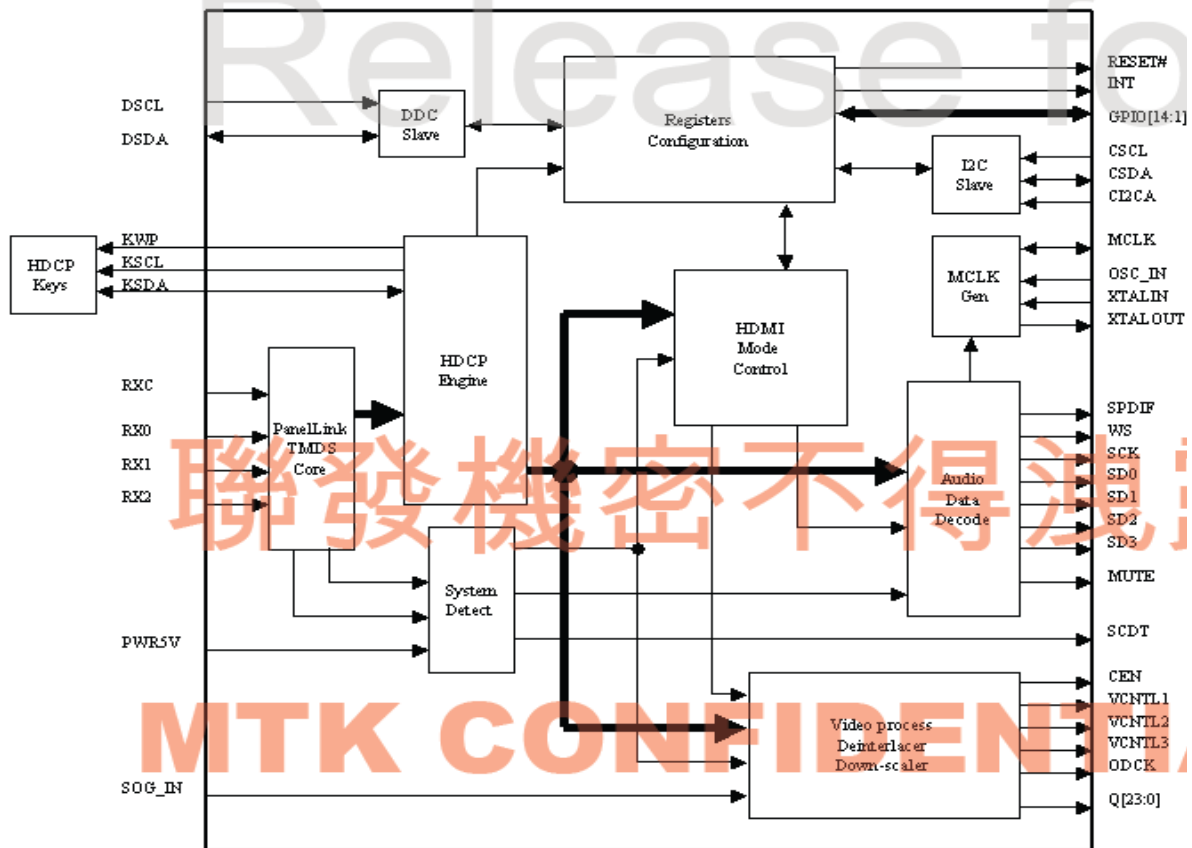
In the L32 wm8776 has 2-wire interface

MODE	Control Mode
0	2 wire interface
1	3 wire interface

## MT8293 Application

The MT8293 provides a complete solution for receiving HDMI compliant digital audio and video. Specialized audio and video processing is available within the MT8293 to easily and cost effectively adds HDMI capability to consumer electronics devices such as digital TVs, plasma displays, LCD TVs and projectors.

## BLOCK DIAGRAM



## 1. TMDS Digital Core

The core performs 10-to-8-bit TMDS decoding on the audio and video received from the three TMDS differential data lines along with a TMDS differential clock. The TMDS core supports link clock rates to 165MHz, including CE modes to 720P/1080I/1080P.

## 2. Active port detection

The Pane Link core detects an active TMDS clock and actively toggling DE signal. These states are accessible in register bits, useful for monitoring the status of the HDMI input or for automatically powering down the receiver. The 5V supply from the HDMI connector is used as a cable detect indicator. The MT8293 can monitor the presence of this+5V supply and, if and when necessary, provide a fast audio mute without pops when it senses the HDMI cable pulled. The microcontroller can also poll registers in the MT8293 to check whether an HDMI cable is connected.

## 3. HDCP Decryption

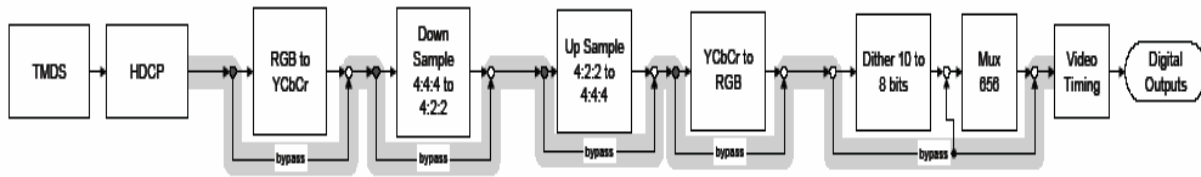
The MT8293 external EEPROM for encrypt HDCP keys. HDCP decryption contains all necessary logic to decrypt the incoming audio and video data. The decryption process is entirely controlled by the host microprocessor through a set sequence of register reads and wires through the DDC channel. Pre-programmed HDCP keys and key Selection Vector are used in the decryption process. A resulting calculated to an XOR mask during each clock cycle to decrypt the audio/video data in sync with the host.

## 4. Video Data Conversion and Video Output

The MT8293 can output video in many different formats as shown in the following figure.

Color Space	Video Format	Bus Width	HSYNC / VSYNC	Output Clock (MHz) <sup>3</sup>							Notes
				480i	480p	XGA	720p	1080i	1080p	UXGA	
RGB	4:4:4	24	Separate	13.25 / 27	27	65	74.25	74.25	148.5	162	
YCbCr	4:4:4	24	Separate	13.25 / 27	27	65	74.25	74.25	148.5	162	
YCbCr	4:2:2	16/20/24	Sep, Emb.	13.25 / 27	27	—	74.25	74.25	148.5	162	1,2
YCbCr	4:2:2	8/10/12	Sep, Emb.	27	54	135	148.5	148.5	—	—	1,4
RGB	4:4:4	48	Separate	6.73/13.5	13.5	32.25	37.13	37.13	74.25	81	5
YCbCr	4:4:4	48	Separate	6.73/13.5	13.5	32.25	37.13	37.13	74.25	81	5
RGB	4:4:4	12	Separate	13.25 / 27	27	65	74.25	74.25	—	—	6
YCbCr	4:4:4	12	Separate	13.25 / 27	27	65	74.25	74.25	—	—	6
YCbCr	4:2:2	8/10/12	Sep, Emb.	13.25/27	27	65	74.25	74.25	—	81	1,4

The receiver can also process the video data before it is output as show below figure



## 5. I<sup>2</sup>c Interface to Display Controller

The Controller I<sup>2</sup>c interface (CSDA, CSCL) on the MT8293 is a slave interface capable of running up to 400KHZ. This bus is used to configure the MT8293 by reading/writing to the appropriate registers. The MT8293 is accessible on the local I<sup>2</sup>c bits at two-device address. The logic state of the CI2CA pin is latched on the rising edge of REST# providing a choice of two pairs of device address.

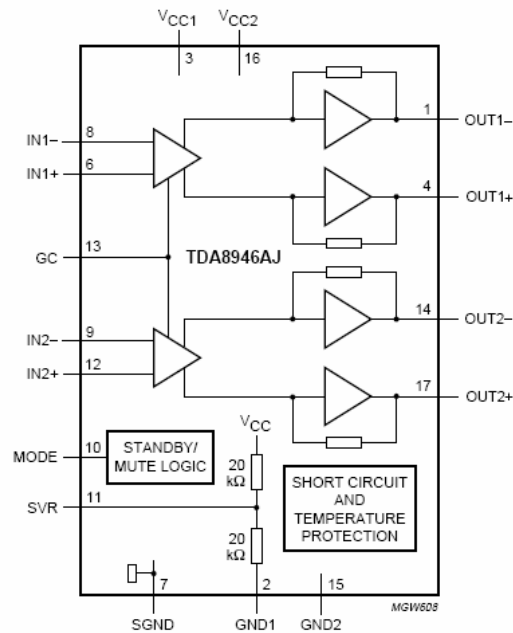
Control of local I<sup>2</sup>c address with CI2CA pin

	CI2CA = Pull Down	CI2CA = Pull Up
First Device Addr	0x60	0x62
Second Device Addr	0x68	0x6A

## TDA8946 Application

In L32 TV the TDA8946AJ is a dual-channel audio power amplifier with DC gain control. It has an output power of  $2 \times 10 \text{ W}$  at an  $8 \Omega$  load and a 12 V supply.

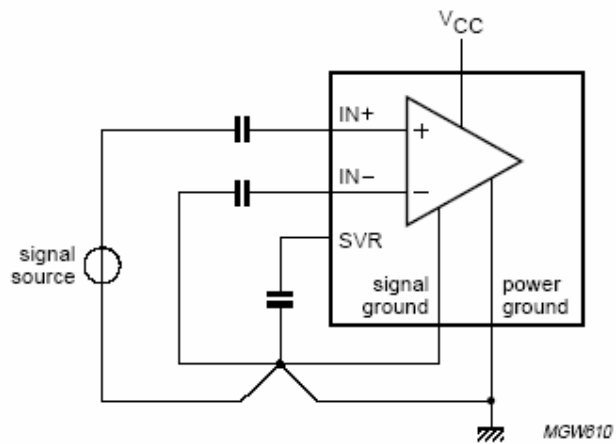
## Block diagram



### 1. Input configuration

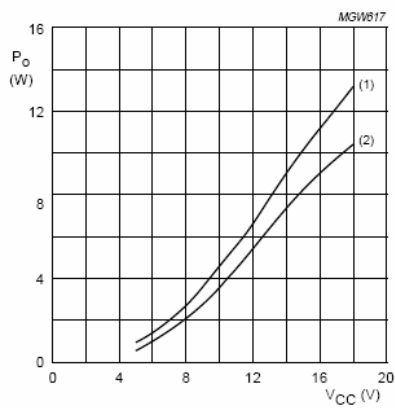
The TDA8946AJ inputs can be driven symmetrical (floating) as well as asymmetrical. In the asymmetrical mode one input pin is connected via a capacitor to the signal source and the other input is connected to the signal ground. The signal ground should be as close as possible to the SVR (electrolytic) capacitor ground. Note that the DC level of the input pins is half of the supply voltage VCC, so coupling capacitors for both pins are necessary





## 2. Output power measurement

The output power as a function of the supply voltage is measured on the output pins at THD = 10%, in the L32 LCD TV V<sub>CC</sub>=12V so we can see as shown in the following figure output about 7W.



R<sub>L</sub> = 8 Ω  
 (1) THD = 10%  
 (2) THD = 1%

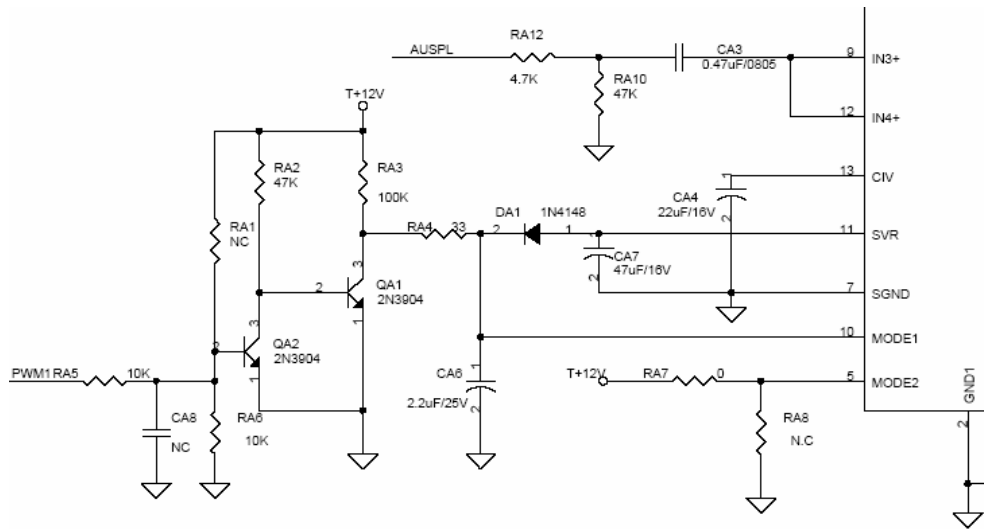
### 3. Mode selection

In the L32 LCD TV TDA8946AJ has two functional modes, which can be selected by applying the proper DC voltage to pin MODE.

1. Mute — In this mode the amplifier is DC-biased but not operational (no audio output).

This allows the input coupling capacitors to be charged to avoid pop-noise. The device is in mute mode when  $3.5\text{ V} < \text{VMODE} < (\text{VCC} - 1.5\text{ V})$ .

2. Operating — In this mode the amplifier is operating normally. The operating mode is activated at  $\text{VMODE} < 1.0\text{V}$ .



### MT5351 Application :

MediaTek MT5351 is a DTV Backend Decoder SOC which support flexible transport demux , HD MPEG-2 video decoder , JPEG decoder , MPEG1,2,MP3,AC3 audio decoder , HDTV encoder . The MT5351 enables consumer electronics manufactures to build high quality , feature-rich DTV , STB or other home entertainment audio/video device. World-Leading Technology : HW support worldwide major broadcast network and CA standards , include ATSC , DVB , OpenCable , DirectTV , MHP. Rich Feature for high value product : To enrich the feature of DTV , the MT5351 support 1394-5C component to external DVHS . Dual display , PIP/POP and quad pictures provide user a whole new viewing experience. Credible Audio/Video Quality : The MT5351 use advanced motion-adaptive de-interlace algorithm to achieve the best movie/video playback , The embedded 4X over-sample video DAC could generate very fine display quality . Also , the audio 3D surround and equalizer provide professional entertainment.

---

## General Feature List :

### 1 . Host CPU:

1. ARM 926EJ
2. 16K I-Cache and 16K D-Cache
3. 8K Data TCM and 8K instruction
4. JTAG ICE interface
5. Watch Dog timers

### 2 . Transport Demuxer :

1. Support 3 independent transport stream inputs
2. Support serial/parallel interface for each transport stream input
3. Support ATSC , DVB , and MPEG2 transport stream inputs.
4. Programmable sync detection.
5. Support DES/3-DES De-scramble.
6. 96 PID filter and 128 section filters.
7. Support TS recording via IEEE1394 interface.

### 3 . MPEG2 Decoder :

1. Support dual MPEG-2 HD decoder or up to 8 SD decoder.
2. Complaint to [MP@ML](#) , [MP@HL](#) and MPEG-1 video standards.

### 4 . JPEG Decoder :

1. Decode Base-line or progressive JPEG file.

### 5 . 2D Graphics :

1. Support multiple color modes.
2. Point , horizontal/vertical line primitive drawing.
3. Rectangle fill and gradient fill functions.
4. Bitblt with transparent , alpha blending , alpha composition and stretch.
5. Font rendering by color expansion.
6. Support clip masks.
7. YCrCb to RGB color space transfer.

### 6 . OSD Display :

1. 3 linking list OSDs with multiple color mode.
2. OSD scaling with arbitrary ratio from 1/2x to 2x.
3. Square size , 32x32 or 64x64 pixel , hardware cursor.

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7 . Video Processing :

1. Advanced Motion adaptive de-interlace on SDTV resolution.
2. Support clip
3. 3:2/2:2 pull down source detection.
4. Arbitrary ratio vertical/horizontal scaling of video , from 1/15X to 16X.
5. Support Edge preserve.
6. Support horizontal edge enhancement.
7. Support Quad-Picture.

8 . Main Display :

1. Mixing two video and three OSD and hardware cursor.
2. Contrast/Brightness adjustment.
3. Gamma correction.
4. Picture-in-Picture( PIP ).
5. Picture-Out-Picture( POP ).
6. 480i/576i/480p/576p/720p/1080i output

9 . Auxiliary Display :

1. Mixing one video and one OSD.
2. 480i/576i output.

10 . TV Encoder :

1. Support NTSC M/N , PAL M/N/B/D/G/H/I
2. Macrovision Rev 7.1.L1
3. CGMS/WSS.
4. Closed Captioning.
5. Six 12-bit video DACs for CVBS , S-video or RGB/YPbPr output.

11 . Digital Video Interface :

1. Support SAV/EAV.
2. Support 8/16 for SD/HD digital video input.
3. Support 8/16/24 bits digital output for main display.
4. Support 8 bits digital output for aux display.

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12 . DRAM Controller :

1. Support 64Mb to 1Gb DDR DRAM devices.
2. Configurable 32/64 bit data bus interface.
3. Support DDR266 , DDR333 , DDR400 , JEDEC specification compliant SDRAM.

13 . Peripheral Bus Interface :

1. Support NOR/NAND flash.
2. Support CableCard host control bus.

14 . Audio :

1. Support Dolby Digital AC-3 decoding.
2. MPEG-1 layer I/II , MP3 decoding.
3. Dolby prologic II.
4. Main audio output : 5.1ch + 2ch ( down mix )
5. Auxiliary audio output : 2ch.
6. Pink noise and white noise generator.
7. Equalizer.
8. Bass management.
9. 3D surround processing include virtual surround.
10. Audio and video lip synchronization.
11. Support reverberation.
12. SPDIF out.
13. I2S I/F.

15 . Peripherals :

1. Three UARTs with Tx and Rx FIFO , two of them have hardware flow control.
2. Two serial interfaces , one is master only the other can be set to master mode or slave mode.
3. Two PWMs.
4. IR blaster and receiver.
5. IEEE1394 link controller.
6. IDE bus : ATA/ATAPI7 UDMA mode 5 , 100MB/s.
7. Real-time clock and watchdog controller.
8. Memory card I/F : MS/MS-pro ,SD ,CF ,and MMC
9. PCMCIA/POD/CI interface

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16 . IC Outline :

1. 471 Pin BGA Package.
2. 3.3V/1.2V dual Voltage.

**MX29LV320BTTC (Flash) Application :**

The MX29LV320AT/B is a 32-mega bit Flash memory organized as 4M bytes of 8 bits and 2M words of 16 bits. MXIC's Flash memories offer the most cost-effective and reliable read/write non-volatile random access memory.

The MX29LV320AT/B is packaged in 48-pin TSOP and 48-ball CSP. It is designed to be reprogrammed and erased in system or in standard EPROM programmers. The standard MX29LV320AT/B offers access time as fast as 70ns, allowing operation of high-speed microprocessors without wait states. To eliminate bus contention, the MX29LV320AT/B has separate chip enable (CE) and output enable (OE) controls.

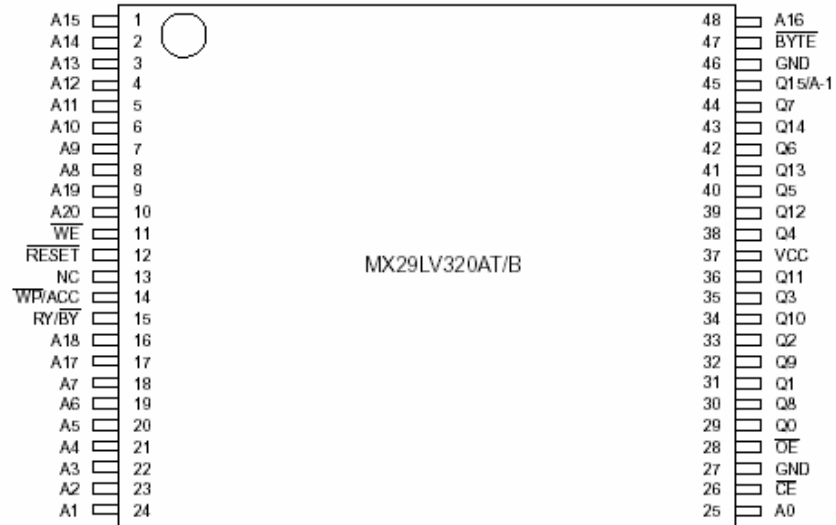
MXIC's Flash memories augment EPROM functionality with in-circuit electrical erasure and programming. The MX29LV320AT/B uses a command register to manage this functionality. MXIC Flash technology reliably stores memory contents even after 100,000 erase and program cycles. The MXIC cell is designed to optimize the erase and program mechanisms. In addition, the combination of advanced tunnel oxide processing and low internal electric fields for erase and programming operations produces reliable cycling.

The MX29LV320AT/B uses a 2.7V to 3.6V VCC supply to perform the High Reliability Erase and auto Program/Erase algorithms.

The highest degree of latch-up protection is achieved with MXIC's proprietary non-epi process. Latch-up protection is proved for stresses up to 100 milliamperes on address and data pin from -1V to VCC + 1V.

## PIN CONFIGURATION

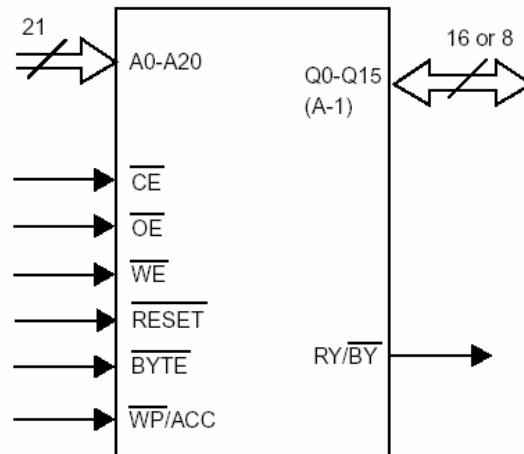
### 48 TSOP



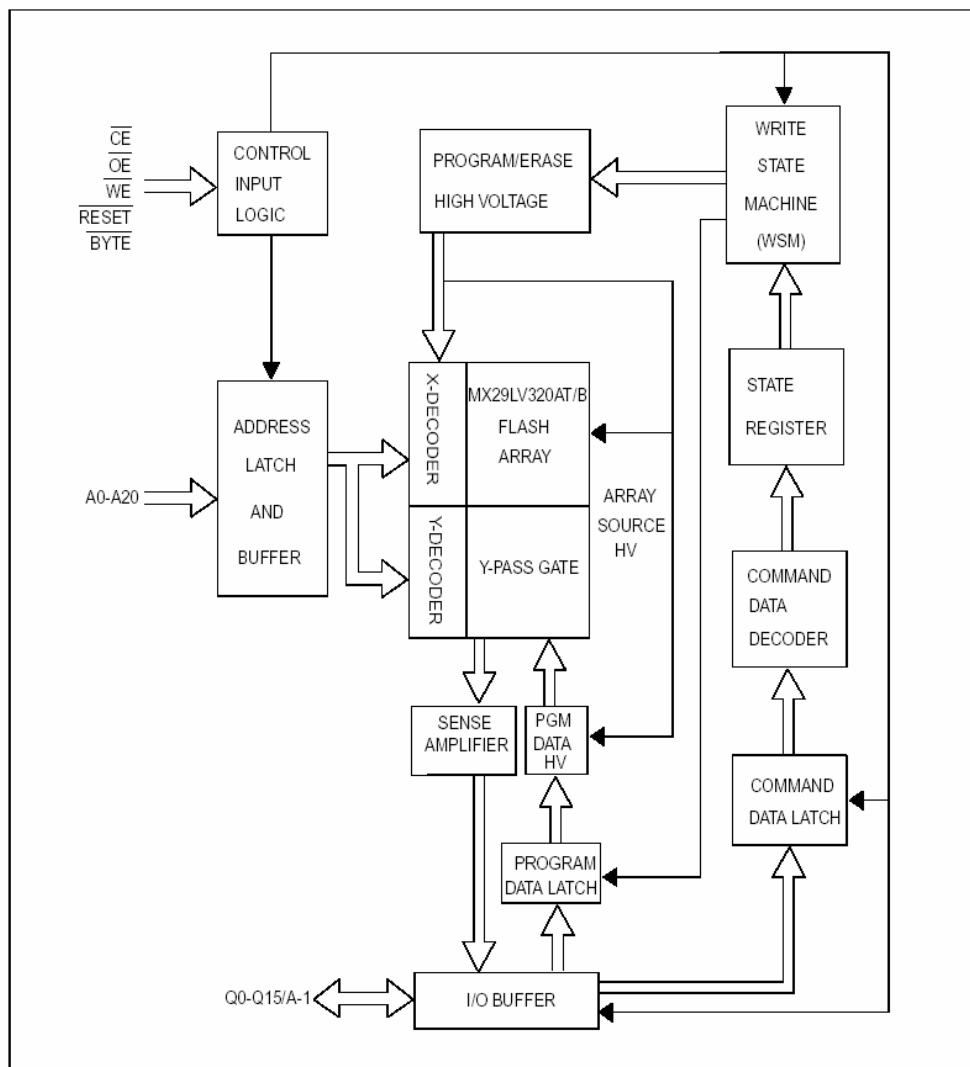
### PIN DESCRIPTION

SYMBOL	PIN NAME
A0~A20	Address Input
Q0~Q14	15 Data Inputs/Outputs
Q15/A-1	Q15(Data Input/Output, word mode) A-1(LSB Address Input, byte mode)
CE	Chip Enable Input
WE	Write Enable Input
OE	Output Enable Input
BYTE	Word/Byte Selection Input
RESET	Hardware Reset Pin, Active Low
RY/BY	Read/Busy Output
VCC	3.0 volt-only single power supply
WP/ACC	Hardware Write Protect/Acceleration Pin
GND	Device Ground
NC	Pin Not Connected Internally

### LOGIC SYMBOL



## BLOCK DIAGRAM





## BUS OPERATION--1

Operation	CE	OE	WE	RESET	WP/ACC	Addresses (Note 2)	Q0-Q7	Q8 ~ Q15	
								Byte=VIH	Byte=VIL
Read	L	L	H	H	L/H	A <sub>IN</sub>	D <sub>OUT</sub>	D <sub>OUT</sub>	Q8-A14 =High-Z Q15=A-1
Write (Note 1)	L	H	L	H	Note 3	A <sub>IN</sub>	D <sub>IN</sub>	D <sub>IN</sub>	
Accelerate Program	L	H	L	H	V <sub>HH</sub>	A <sub>IN</sub>	D <sub>IN</sub>	D <sub>IN</sub>	
Standby	VCC ± 0.3V	X	X	VCC ± 0.3V	H	X	High-Z	High-Z	High-Z
Output Disable	L	H	H	H	L/H	X	High-Z	High-Z	High-Z
Reset	X	X	X	L	L/H	X	High-Z	High-Z	High-Z
Sector Group Protect (Note 2)	L	H	L	V <sub>ID</sub>	L/H	Sector Addresses, A6=L, A1=H, A0=L	D <sub>IN</sub> , D <sub>OUT</sub>	X	X
Chip Unprotect (Note 2)	L	H	L	V <sub>ID</sub>	Note 3	Sector Addresses, A6=H, A1=H, A0=L	D <sub>IN</sub> , D <sub>OUT</sub>	X	X
Temporary Sector Group Unprotect	X	X	X	V <sub>ID</sub>	Note 3	A <sub>IN</sub>	D <sub>IN</sub>	D <sub>IN</sub>	High-Z

### Legend:

L=Logic LOW=VIL, H=Logic High=VIH, VID=12.0 0.5V, VHH=11.5-12.5V, X=Don't Care,  
AIN=Address IN, DIN=Data IN,DOUT=Data OUT

### Notes:

1. When the WP/ACC pin is at VHH, the device enters the accelerated program mode. See "Accelerated Program Operations" for more information.
- 2.The sector group protect and chip unprotect functions may also be implemented via programming equipment. See the "Sector Group Protection and Chip Unprotection" section.
- 3.If WP/ACC=VIL, the two outermost boot sectors remain protected. If WP/ACC=VIH, the two outermost boot sector protection depends on whether they were last protected or unprotected using the method described in "Sector/Sector Block Protection and Unprotection". If WP/ACC=VHH, all sectors will be unprotected.
- 4.DIN or Dout as required by command sequence, data polling, or sector protection algorithm.
- 5.Address are A20:A0 in word mode (BYTE=VIH), A20:A-1 in byte mode (BYTE=VIL).

## BUS OPERATION--2

Operation	$\overline{CE}$	$\overline{OE}$	$\overline{WE}$	A20 to A12	A11 to A10	A9	A8 to A7	A6	A5 to A2	A1	A0	Q0-Q7	Q8-Q15
Read Silicon ID Manufacturer Code	L	L	H	X	X	V <sub>ID</sub>	X	L	X	L	L	C2H	X
Read Silicon ID MX29LV320AT	L	L	H	X	X	V <sub>ID</sub>	X	L	X	L	H	A7H	22h(word) X (byte)
Read Silicon ID MX29LV320AB	L	L	H	X	X	V <sub>ID</sub>	X	L	X	L	H	A8H	22h(word) X (byte)
Sector Protect Verification	L	L	H	SA	X	V <sub>ID</sub>	X	L	X	H	L	01h(1), or 00h	X
Security Sector Indicater Bit (Q7)	L	L	H	X	X	V <sub>ID</sub>	X	L	X	H	H	99h(2), or 19h	X

### Notes:

- 1.Code=00h means unprotected, or code=01h protected.
- 2.Code=99 means factory locked, or code=19h not factory locked.

## WRITE COMMANDS/COMMAND SEQUENCES

To program data to the device or erase sectors of memory , the system must drive WE and CE to VIL, and OE to VIH.An erase operation can erase one sector, multiple sectors , or the entire device. A "sector address" consists of the address bits required to uniquely select a sector. Writing specific address and data commands or sequences into the command register initiates device operations. Table A defines the valid register command sequences. Writing incorrect address and data values or writing them in the improper sequence resets the device to reading array data. Section has details on erasing a sector or the entire chip, or suspending/resuming the erase operation.

After the system writes the Automatic Select command sequence, the device enters the Automatic Select mode. The system can then read Automatic Select codes from the internal register (which is separate from the memory array) on Q7-Q0. Standard read cycle timings apply in this mode. Refer to the Automatic Select Mode and Automatic Select Command Sequence section for more information.ICC2 in the DC Characteristics table represents the active current specification for the write mode. The "AC Characteristics" section contains timing specification table and timing diagrams for write operations.

**TABLE A. MX29LV320AT/B COMMAND DEFINITIONS**

Command	Bus Cycles	First Bus Cycle		Second Bus Cycle		Third Bus Cycle		Fourth Bus Cycle		Fifth Bus Cycle		Sixth Bus Cycle	
		Addr	Data	Addr	Data	Addr	Data	Addr	Data	Addr	Data	Addr	Data
Read(Note 5)	1	RA	RD										
Reset(Note 4)	1	XXX	F0										
Automatic Select(Note 5)													
Manufacturer ID	Word	4	555	AA	2AA	55	555	90	X00	C2H			
	Byte	4	AAA	AA	555	55	AAA	90	X00	C2H			
Device ID	Word	4	555	AA	2AA	55	555	90	X01	ID			
	Byte	4	AAA	AA	555	55	AAA	90	X02				
Security Sector Factory Protect Verify (Note 6)	Word	4	555	AA	2AA	55	555	90	X03	99/19			
	Byte	4	AAA	AA	555	55	AAA	90	X06				
Sector Protect Verify (Note 7)	Word	4	555	AA	2AA	55	555	90	(SA)X02	00/01			
	Byte	4	AAA	AA	555	55	AAA	90	(SA)X04				
Enter Security Sector Region	Word	3	555	AA	2AA	55	555	88					
	Byte	3	AAA	AA	555	55	AAA	88					
Exit Security Sector	Word	4	555	AA	2AA	55	555	90	XXX	00			
	Byte	4	AAA	AA	555	55	AAA	90	XXX	00			
Program	Word	4	555	AA	2AA	55	555	A0	PA	PD			
	Byte	4	AAA	AA	555	55	AAA	A0	PA	PD			
Chip Erase	Word	6	555	AA	2AA	55	555	80	555	AA	2AA	55	555
	Byte	6	AAA	AA	555	55	AAA	80	AAA	AA	555	55	AAA
Sector Erase	Word	6	555	AA	2AA	55	555	80	555	AA	2AA	55	SA
	Byte	6	AAA	AA	555	55	AAA	80	AAA	AA	555	55	SA
CFI Query (Note 8)	Word	1	55	98									
	Byte	1	AA	98									
Erase Suspend(Note 9)	1	SA	B0										
Erase Resume(Note 10)	1	SA	30										

**Legend:**

X=Don't care

RA=Address of the memory location to be read.

RD=Data read from location RA during read operation.

PA=Address of the memory location to be programmed.

Addresses are latched on the falling edge of the WE or CE pulse.

PD=Data to be programmed at location PA. Data is latched on the rising edge of WE or CE pulse.

SA=Address of the sector to be erased or verified. Address bits A20-A12 uniquely select any sector.

ID=22A7h(Top), 22A8h(Bottom)

**Notes:**

- 1.All values are in hexadecimal.
- 2.Except when reading array or Automatic Select data, all bus cycles are write operation.
- 3.The Reset command is required to return to the read mode when the device is in the Automatic Select mode or if Q5 goes high.
- 4.The fourth cycle of the Automatic Select command sequence is a read cycle.
- 5.The data is 99h for factory locked and 19h for not factory locked.
- 6.The data is 00h for an unprotected sector/sector block and 01h for a protected sector/sector block. In the third cycle of the command sequence, address bit A20=0 to verify sectors 0~31, A20=1 to verify sectors 32~70 for Top Boot device.
- 7.Command is valid when device is ready to read array data or when device is in Automatic Select mode.
- 8.The system may read and program functions in non-erasing sectors, or enter the Automatic Select mode, when in the erase Suspend mode. The Erase Suspend command is valid only during a sector erase operation.
- 9.The Erase Resume command is valid only during the Erase Suspend mode.

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## STANDBY MODE

MX29LV320AT/B can be set into Standby mode with two different approaches. One is using both CE and RESET pins and the other one is using RESET pin only.

When using both pins of CE and RESET, a CMOS Standby mode is achieved with both pins held at  $V_{cc} \pm 0.3V$ . Under this condition, the current consumed is less than 0.2uA (typ.). If both of the CE and RESET are held at VIH, but not within the range of  $V_{CC} \pm 0.3V$ , the device will still be in the standby mode, but the standby current will be larger. During Auto Algorithm operation, Vcc active current (ICC2) is required even CE = "H" until the operation is completed. The device can be read with standard access time (tCE) from either of these standby modes.

When using only RESET, a CMOS standby mode is achieved with RESET input held at  $V_{ss} \pm 0.3V$ . Under this condition the current is consumed less than 1uA (typ.). Once the RESET pin is taken high, the device is back to active without recovery delay. In the standby mode the outputs are in the high impedance state, independent of the OE input. MX29LV320AT/B is capable to provide the Automatic Standby Mode to restrain power consumption during readout of data. This mode can be used effectively with an application requested low power consumption such as handy terminals.

To active this mode, MX29LV320AT/B automatically switch themselves to low power mode when MX29LV320AT/B addresses remain stable during access time of tACC+30ns. It is not necessary to control CE, WE, and OE on the mode. Under the mode, the current consumed is typically 0.2uA (CMOS level).

## RESET OPERATION

01The RESET pin provides a hardware method of resetting the device to reading array data. When the RESET pin is driven low for at least a period of tRP, the device immediately terminates any operation in progress, tristates all output pins, and ignores all read/write commands for the duration of the RESET pulse. The device also resets the internal state machine to reading array data. The operation that was interrupted should be reinitiated once the device is ready to accept another command sequence, to ensure data integrity.

Current is reduced for the duration of the RESET pulse. When RESET is held at  $V_{SS} \pm 0.3V$ , the device draws CMOS standby current (ICC4). If RESET is held at VIL but not within  $V_{SS} \pm 0.3V$ , the standby current will be greater. The RESET pin may be tied to system reset circuitry. A system reset would that also reset the Flash memory, enabling the system to read the boot-up firm-ware from the Flash memory.

---

If RESET is asserted during a program or erase operation, the RY/BY pin remains a "0" (busy) until the internal reset operation is complete, which requires a time of tREADY (during Embedded Algorithms). The system can thus monitor RY/BY to determine whether the reset operation is complete. If RESET is asserted when a program or erase operation is not executing (RY/BY pin is "1"), the reset operation is completed within a time of tREADY (not during Embedded Algorithms). The system can read data tRH after the RESET pin returns to VIH. Refer to the AC Characteristics tables for RESET parameters and to Figure 14 for the timing diagram.

### **WRITE PROTECT (WP)**

The write protect function provides a hardware method to protect boot sectors without using VID.

If the system asserts VIL on the WP/ACC pin, the device disables program and erase functions in the two "outermost" 8 Kbyte boot sectors independently of whether those sectors were protected or unprotected using the method described in "Sector/Sector Group Protection and Chip Unprotection". The two outermost 8 Kbyte boot sectors are the two sectors containing the lowest addresses in a bottom-boot-configured device, or the two sectors containing the highest addresses in a top-boot-configured device.

If the system asserts VIH on the WP/ACC pin, the device reverts to whether the two outermost 8K Byte boot sectors were last set to be protected or unprotected. That is, sector protection or unprotection for these two sectors depends on whether they were last protected or unprotected using the method described in "Sector/Sector Group Protection and Chip Unprotection".

Note that the WP/ACC pin must not be left floating or unconnected; inconsistent behavior of the device may result.

### **SOFTWARE COMMAND DEFINITIONS :**

Device operations are selected by writing specific address and data sequences into the command register. Writing incorrect address and data values or writing them in the improper sequence will reset the device to the read mode. Table 3 defines the valid register command sequences. Note that the Erase Suspend (B0H) and Erase Resume (30H) commands are valid only while the Sector Erase operation is in progress. Either of the two reset command sequences will reset the device (when applicable).

All addresses are latched on the falling edge of WE or CE, whichever happens later. All data are latched on rising edge of WE or CE, whichever happens first.

## WRITE OPERATION STATUS

The device provides several bits to determine the status of a write operation: Q2, Q3, Q5, Q6, Q7, and RY/BY. Table B and the following subsections describe the functions of these bits. Q7, RY/BY, and Q6 each offer a method for determining whether a program or erase operation is complete or in progress. These three bits are discussed first.

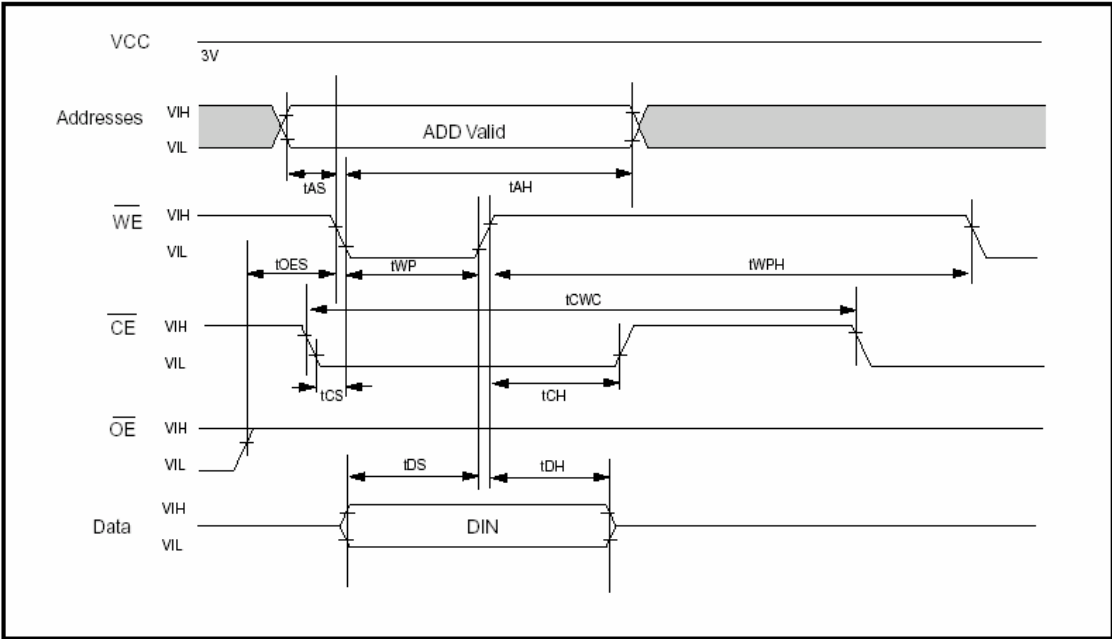
**Table B. Write Operation Status**

	Status		Q7 Note1	Q6	Q5 Note2	Q3	Q2	RY/BY
In Progress	Byte/Word Program in Auto Program Algorithm		$\overline{Q7}$	Toggle	0	N/A	No Toggle	0
	Auto Erase Algorithm		0	Toggle	0	1	Toggle	0
	Erase Suspended Mode	Erase Suspend Read (Erase Suspended Sector)	1	No Toggle	0	N/A	Toggle	1
		Erase Suspend Read (Non-Erase Suspended Sector)	Data	Data	Data	Data	Data	1
		Erase Suspend Program	$\overline{Q7}$	Toggle	0	N/A	N/A	0
Exceeded Time Limits	Byte/Word Program in Auto Program Algorithm		$\overline{Q7}$	Toggle	1	N/A	No Toggle	0
	Auto Erase Algorithm		0	Toggle	1	1	Toggle	0
	Erase Suspend Program		$\overline{Q7}$	Toggle	1	N/A	N/A	0

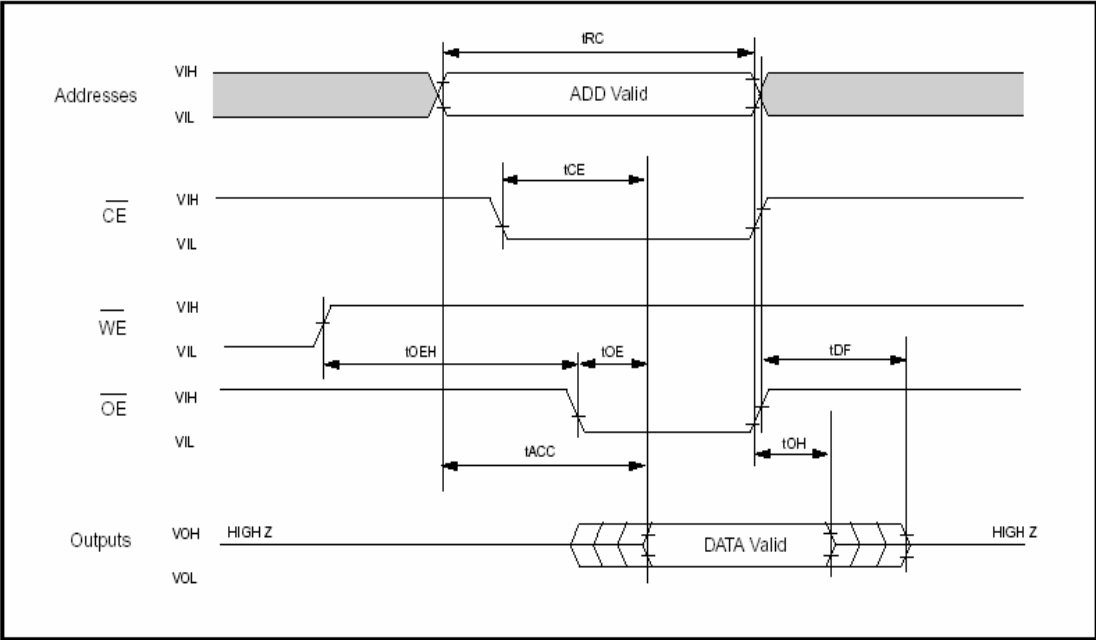
### Notes:

1. Performing successive read operations from the erase-suspended sector will cause Q2 to toggle.
2. Performing successive read operations from any address will cause Q6 to toggle.
3. Reading the byte/word address being programmed while in the erase-suspend program mode will indicate logic "1" at the Q2 bit.  
However, successive reads from the erase-suspended sector will cause Q2 to toggle.

**Fig C. COMMAND WRITE OPERATION**



**Fig D. READ TIMING WAVEFORMS**

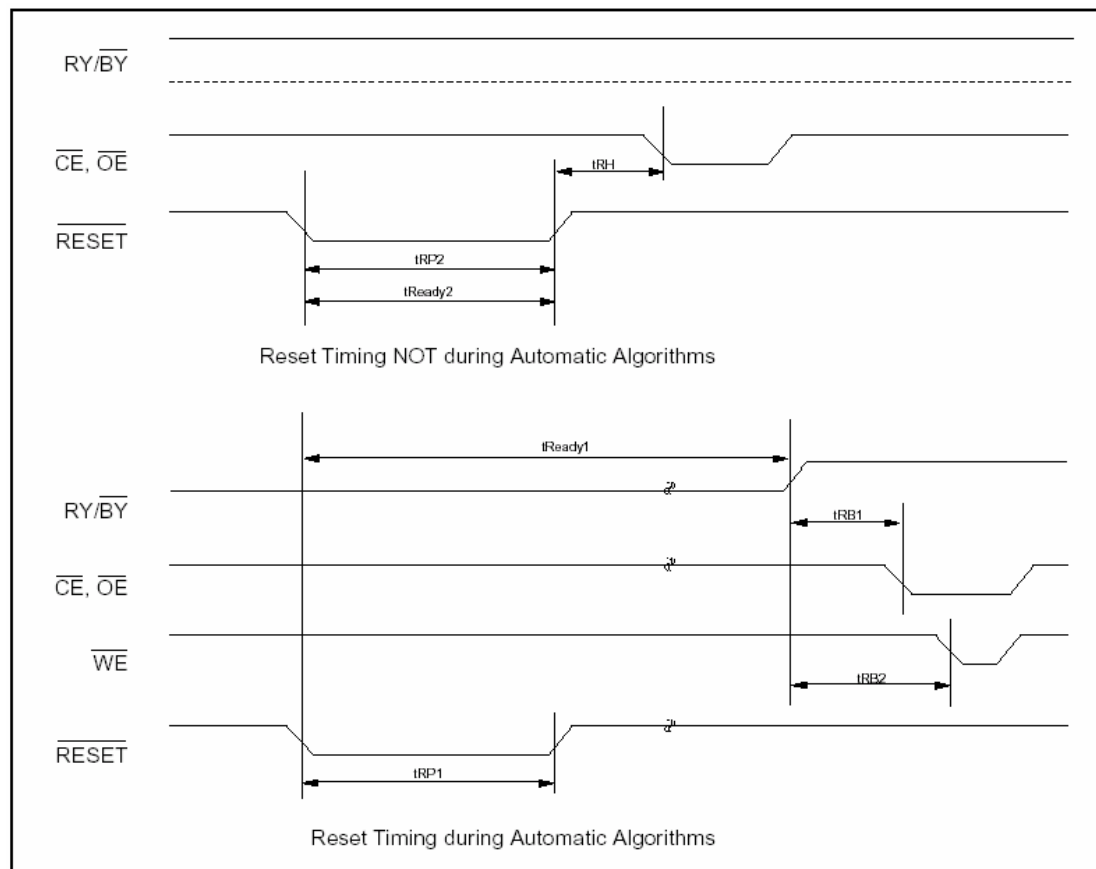


## AC CHARACTERISTICS

Parameter	Description	Test Setup	All Speed Options	Unit
tREADY1	$\overline{\text{RESET}}$ PIN Low (During Automatic Algorithms) to Read or Write (See Note)	MAX	20	us
tREADY2	$\overline{\text{RESET}}$ PIN Low (NOT During Automatic Algorithms) to Read or Write (See Note)	MAX	500	ns
tRP1	$\overline{\text{RESET}}$ Pulse Width (During Automatic Algorithms)	MIN	10	us
tRP2	$\overline{\text{RESET}}$ Pulse Width (NOT During Automatic Algorithms)	MIN	500	ns
tRH	$\overline{\text{RESET}}$ High Time Before Read(See Note)	MIN	70	ns
tRB1	RY/ $\overline{\text{BY}}$ Recovery Time(to $\overline{\text{CE}}$ , $\overline{\text{OE}}$ go low)	MIN	0	ns
tRB2	RY/ $\overline{\text{BY}}$ Recovery Time(to $\overline{\text{WE}}$ go low)	MIN	50	ns

Note:Not 100% tested

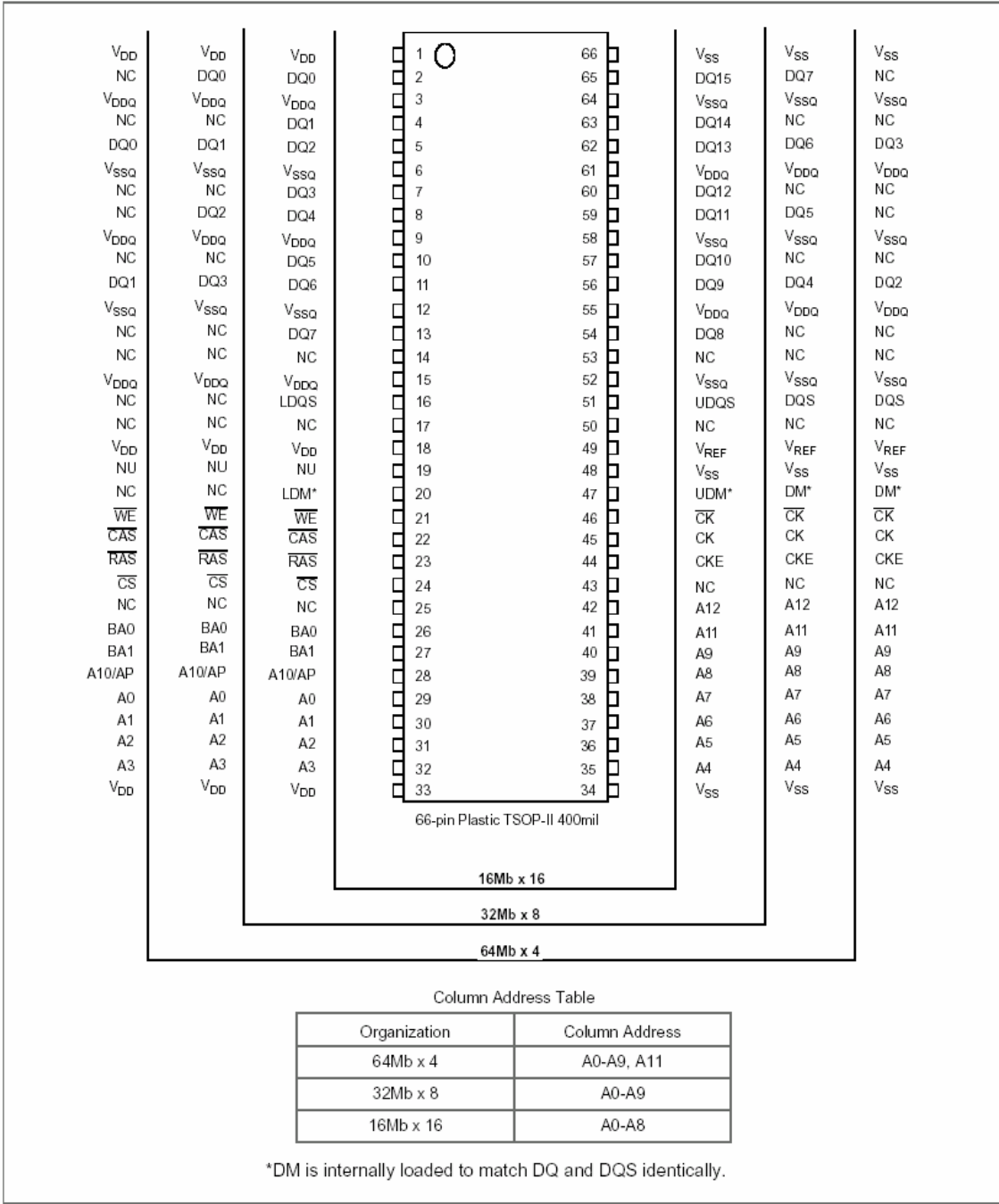
**Fig E. RESET TIMING WAVEFORM**



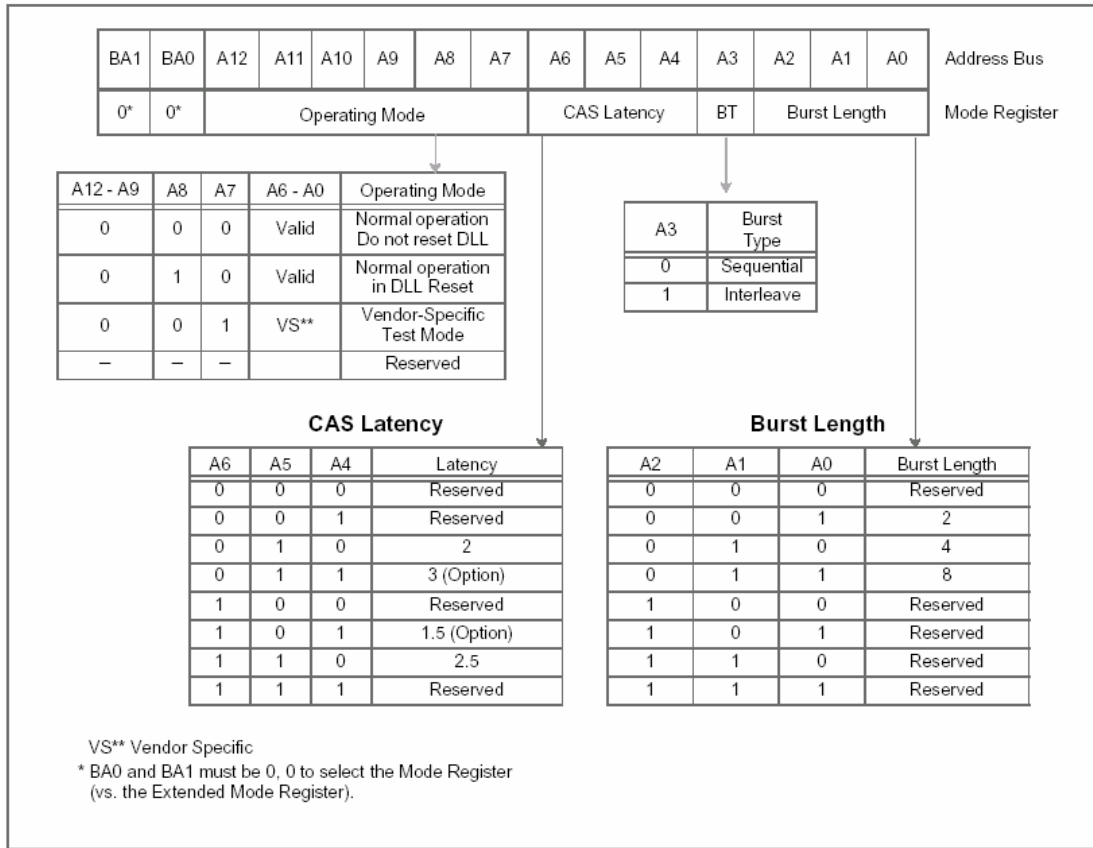




# Pin Configuration - 400mil TSOP II (x4 / x8 / x16)



## Mode Register Operation



## Operating Mode

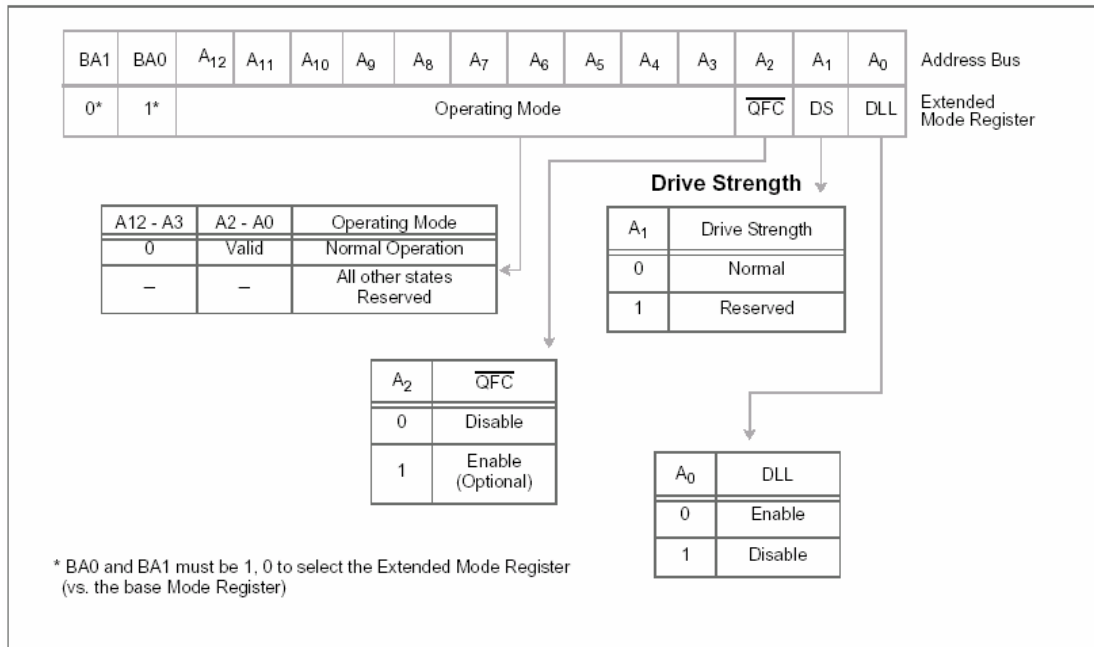
The normal operating mode is selected by issuing a Mode Register Set Command with bits A7-A12 to zero, and bits A0-A6 set to the desired values. A DLL reset is initiated by issuing a Mode Register Set command with bits A7 and A9-A12 each set to zero, bit A8 set to one, and bits A0-A6 set to the desired values. A Mode Register Set command issued to reset the DLL should always be followed by a Mode Register Set command to select normal operating mode.

All other combinations of values for A7-A12 are reserved for future use and/or test modes. Test modes and reserved states should not be used as unknown operation or incompatibility with future versions may result.

## Extended Mode Register

The Extended Mode Register controls functions beyond those controlled by the Mode Register; these additional functions include DLL enable/disable, bit A0; output drive strength selection, bit A1; and QFC output enable/disable, bit A2 (NTC optional). These functions are controlled via the bit settings shown in the Extended Mode Register Definition. The Extended Mode Register is programmed via the Mode Register Set command (with BA0 = 1 and BA1 = 0) and retains the stored information until it is programmed again or the device loses power. The Extended Mode Register must be loaded when all banks are idle, and the controller must wait the specified time before initiating any subsequent operation. Violating either of these requirements result in unspecified operation.

## Extended Mode Register Definition



**Truth Table a: Commands**

Name (Function)	$\overline{CS}$	$\overline{RAS}$	$\overline{CAS}$	$\overline{WE}$	Address	MNE	Notes
Deselect (Nop)	H	X	X	X	X	NOP	1, 9
No Operation (Nop)	L	H	H	H	X	NOP	1, 9
Active (Select Bank And Activate Row)	L	L	H	H	Bank/Row	ACT	1, 3
Read (Select Bank And Column, And Start Read Burst)	L	H	L	H	Bank/Col	Read	1, 4
Write (Select Bank And Column, And Start Write Burst)	L	H	L	L	Bank/Col	Write	1, 4
Burst Terminate	L	H	H	L	X	BST	1, 8
Precharge (Deactivate Row In Bank Or Banks)	L	L	H	L	Code	PRE	1, 5
Auto Refresh Or Self Refresh (Enter Self Refresh Mode)	L	L	L	H	X	AR / SR	1, 6, 7
Mode Register Set	L	L	L	L	Op-Code	MRS	1, 2

1. CKE is high for all commands shown except Self Refresh.
2. BA0, BA1 select either the Base or the Extended Mode Register (BA0 = 0, BA1 = 0 selects Mode Register; BA0 = 1, BA1 = 0 selects ,Extended Mode Register; other combinations of BA0-BA1 are reserved; A0-A12 provide the op-code to be written to the selected Mode Register.)
3. BA0-BA1 provide bank address and A0-A12 provide row address.
4. BA0, BA1 provide bank address; A0-A<sub>i</sub> provide column address (where  $i = 9$  for x8 and 9, 11 for x4); A10 high enables the Auto Precharge feature (non-persistent), A10 low disables the Auto Precharge feature.
5. A10 LOW: BA0, BA1 determine which bank is precharged.A10 HIGH: all banks are precharged and BA0, BA1 are "Don't Care."
6. This command is auto refresh if CKE is high; Self Refresh if CKE is low.
7. Internal refresh counter controls row and bank addressing; all inputs and I/Os are "Don't Care" except for CKE.
8. Applies only to read bursts with Auto Precharge disabled; this command is undefined (and should not be used) for read bursts with Auto Precharge enabled or for write bursts
9. Deselect and NOP are functionally interchangeable.

### Active

The Active command is used to open (or activate) a row in a particular bank for a subsequent access. The value on the BA0,BA1 inputs selects the bank, and the address provided on inputs A0-A12 selects the row. This row remains active (or open) for accesses until a Precharge (or Read or Write with Auto Precharge) is issued to that bank. A Precharge (or Read or Write with Auto Precharge) command must be issued and completed before opening a different row in the same bank.

---

## Read

The Read command is used to initiate a burst read access to an active (open) row. The value on the BA0, BA1 inputs selects the bank, and the address provided on inputs A0-Ai, Aj (where [i = 9, j = don't care] for x8; where [i = 9, j = 11] for x4) selects the starting column location. The value on input A10 determines whether or not Auto Precharge is used. If Auto Precharge is selected, the row being accessed is precharged at the end of the Read burst; if Auto Precharge is not selected, the row remains open for subsequent accesses.

## Write

The Write command is used to initiate a burst write access to an active (open) row. The value on the BA0, BA1 inputs selects the bank, and the address provided on inputs A0-Ai, Aj (where [i = 9, j = don't care] for x8; where [i = 9, j = 11] for x4) selects the starting column location. The value on input A10 determines whether or not Auto Precharge is used. If Auto Precharge is selected, the row being accessed is precharged at the end of the Write burst; if Auto Precharge is not selected, the row remains open for subsequent accesses. Input data appearing on the DQs is written to the memory array subject to the DM input logic level appearing coincident with the data. If a given DM signal is registered low, the corresponding data is written to memory; if the DM signal is registered high, the corresponding data inputs are ignored, and a Write is not executed to that byte/column location.

## Auto Refresh

Auto Refresh is used during normal operation of the DDR SDRAM and is analogous to CAS Before RAS (CBR) Refresh in previous DRAM types. This command is nonpersistent, so it must be issued each time a refresh is required. The refresh addressing is generated by the internal refresh controller. This makes the address bits "Don't Care" during an Auto Refresh command. The 256Mb DDR SDRAM requires Auto Refresh cycles at an average periodic interval of 7.8  $\mu$ s (maximum).

## Self Refresh

The Self Refresh command can be used to retain data in the DDR SDRAM, even if the rest of the system is powered down. When in the self refresh mode, the DDR SDRAM retains data without external clocking. The Self Refresh command is initiated as an Auto Refresh command coincident with CKE transitioning low. The DLL is automatically disabled upon entering Self Refresh, and is automatically enabled upon exiting Self Refresh (200 clock cycles must then occur before a Read command can be issued). Input signals except CKE (low) are "Don't Care" during Self Refresh operation.

---

The procedure for exiting self refresh requires a sequence of commands. CK (and CK) must be stable prior to CKE returning high. Once CKE is high, the SDRAM must have NOP commands issued for tXSNR because time is required for the completion of any internal refresh in progress. A simple algorithm for meeting both refresh and DLL requirements is to apply NOPs for 200 clock cycles before applying any other command.

## **Operations:**

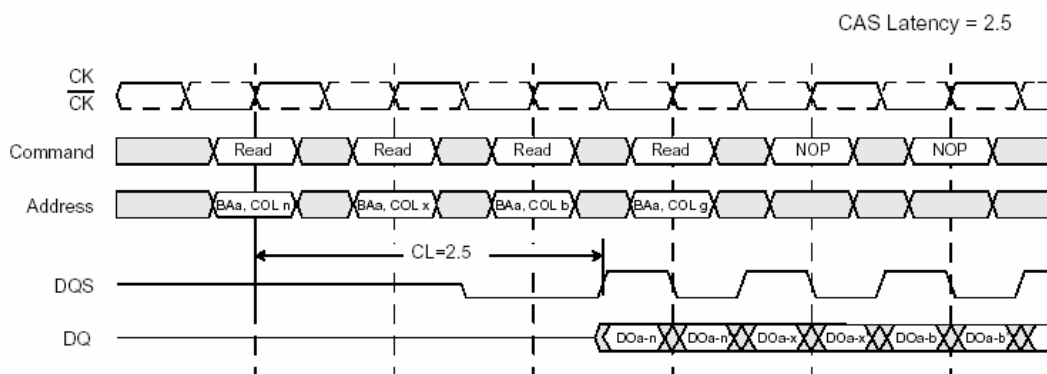
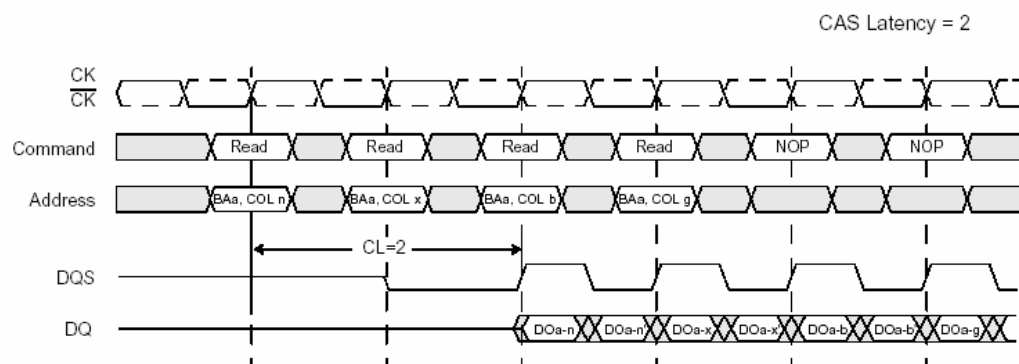
### **Reads**

Subsequent to programming the mode register with CAS latency, burst type, and burst length, Read bursts are initiated with a Read command.

The starting column and bank addresses are provided with the Read command and Auto Precharge is either enabled or disabled for that burst access. If Auto Precharge is enabled, the row that is accessed starts precharge at the completion of the burst, provided tRAS has been satisfied. For the generic Read commands used in the following illustrations, Auto Precharge is disabled.

During Read bursts, the valid data-out element from the starting column address is available following the CAS latency after the Read command. Each subsequent data-out element is valid nominally at the next positive or negative clock edge (i.e. at the next crossing of CK and CK). The following timing figure entitled "Read Burst: CAS Latencies (Burst Length=4)" illustrates the general timing for each supported CAS latency setting. DQS is driven by the DDR SDRAM along with output data. The initial low state on DQS is known as the read preamble; the low state coincident with the last data-out element is known as the read postamble. Upon completion of a burst, assuming no other commands have been initiated, the DQs and DQS goes High-Z. Data from any Read burst may be concatenated with or truncated with data from a subsequent Read command. In either case, a continuous flow of data can be maintained. The first data element from the new burst follows either the last element of a completed burst or the last desired data element of a longer burst which is being truncated. The new Read command should be issued x cycles after the first Read command, where x equals the number of desired data element pairs (pairs are required by the 2n prefetch architecture). This is shown in timing figure entitled "Consecutive Read Bursts: CAS Latencies (Burst Length =4 or 8)". A Read command can be initiated on any positive clock cycle following a previous Read command. Nonconsecutive Read data is shown in timing figure entitled "Non-Consecutive Read Bursts: CAS Latencies (Burst Length = 4)". Full-speed Random Read Accesses: CAS Latencies (Burst Length = 2, 4 or 8) within a page (or pages) can be performed as shown on following:

## Random Read Accesses: CAS Latencies (Burst Length = 2, 4 or 8)

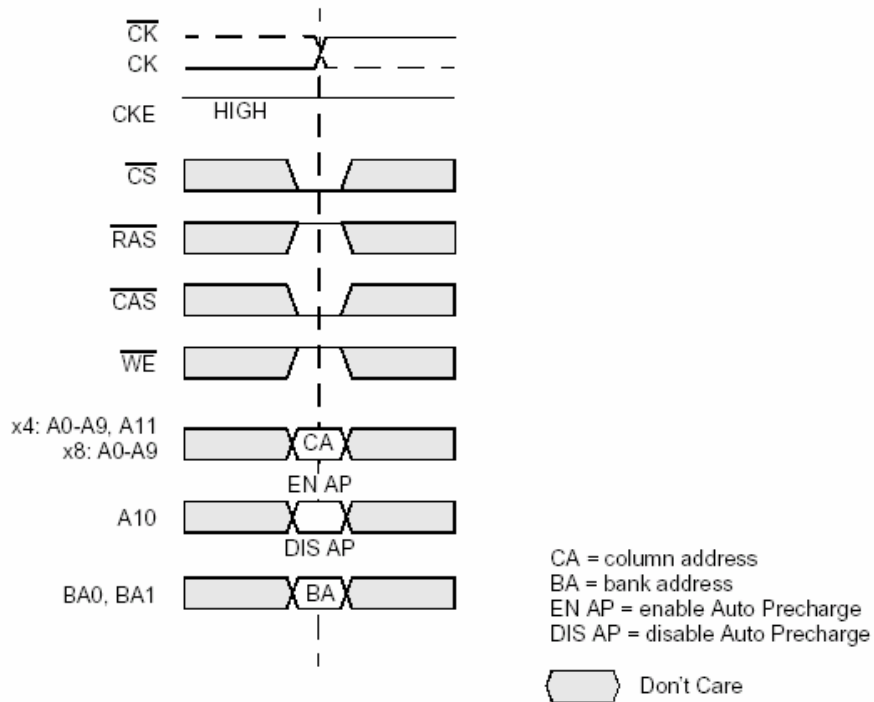


DO a-n, etc. = data out from bank a, column n etc.  
 n' etc. = odd or even complement of n, etc. (i.e., column address LSB inverted).  
 Reads are to active rows in any banks.  
 Shown with nominal  $t_{AC}$ ,  $t_{DQSCl}$ , and  $t_{DQSQ}$ .

 Don't Care



## Read Command



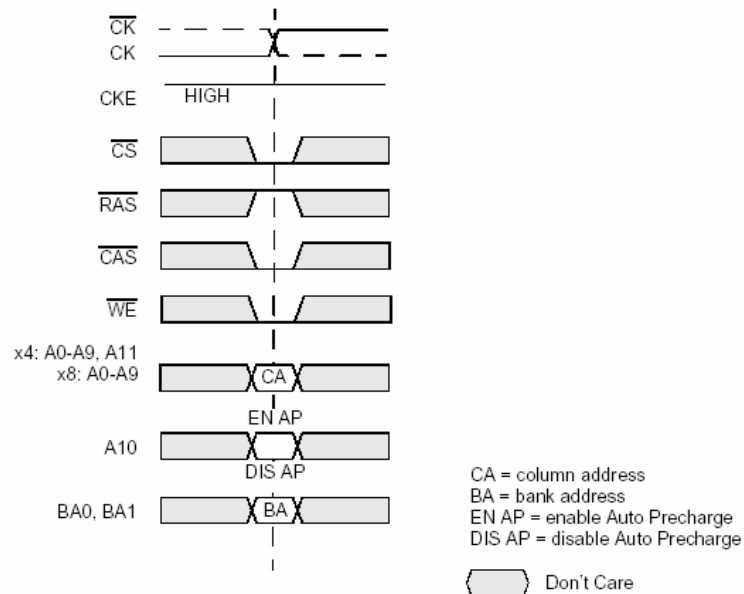
## Writes

Write bursts are initiated with a Write command, as shown in timing figure *Write Command* on following: The starting column and bank addresses are provided with the Write command, and Auto Precharge is either enabled or disabled for that access. If Auto Precharge is enabled, the row being accessed is precharged at the completion of the burst. For the generic Write commands used in the following illustrations, Auto Precharge is disabled.

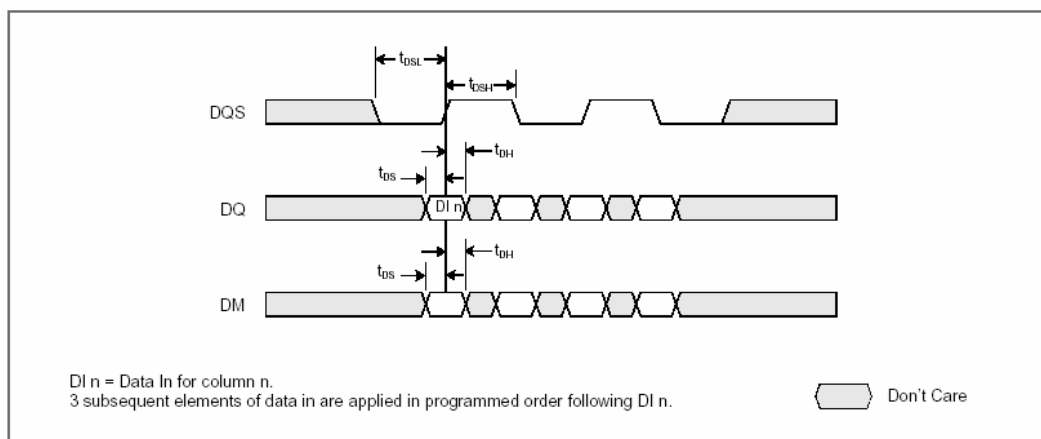
During Write bursts, the first valid data-in element is registered on the first rising edge of DQS following the write command, and subsequent data elements are registered on successive edges of DQS. The Low state on DQS between the Write command and the first rising edge is known as the write preamble; the Low state on DQS following the last data-in element is known as the write postamble.

The time between the Write command and the first corresponding rising edge of DQS (tDQSS) is specified with a relatively wide range (from 75% to 125% of one clock cycle), so most of the Write diagrams that follow are drawn for the two extreme cases (i.e. tDQSS(min) and tDQSS(max)). Timing figure *Write Burst (Burst Length = 4)* on page 33 shows the two extremes of tDQSS for a burst of four. Upon completion of a burst, assuming no other commands have been initiated, the DQs and DQS enters High-Z and any additional input data is ignored. Data for any Write burst may be concatenated with or truncated with a subsequent Write command. In either case, a continuous flow of input data can be maintained. The new Write command can be issued on any positive edge of clock following the previous Write command. The first data element from the new burst is applied after either the last element of a completed burst or the last desired data element of a longer burst which is being truncated. The new Write command should be issued x cycles after the first Write command, where x equals the number of desired data element pairs (pairs are required by the 2n prefetch architecture).

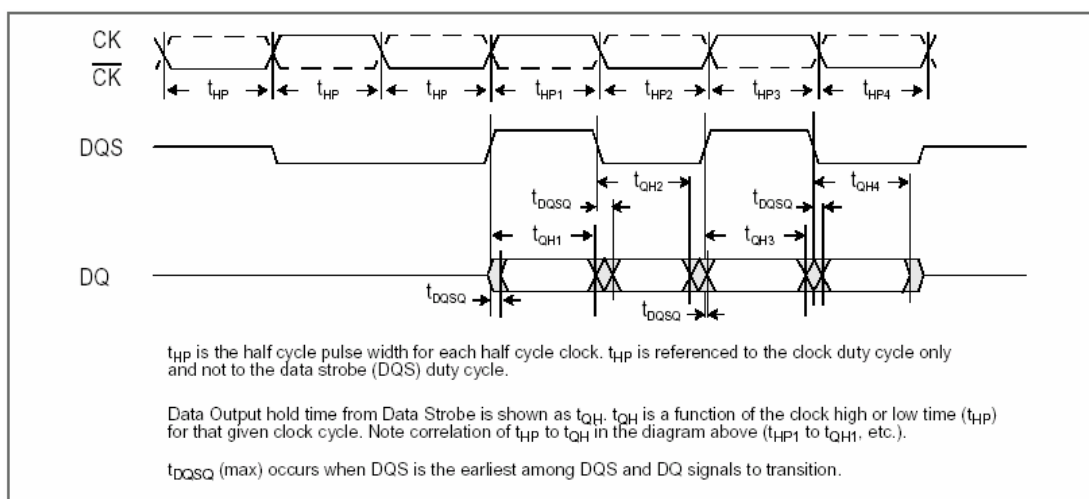
## Write Command



## Data Input (Write)



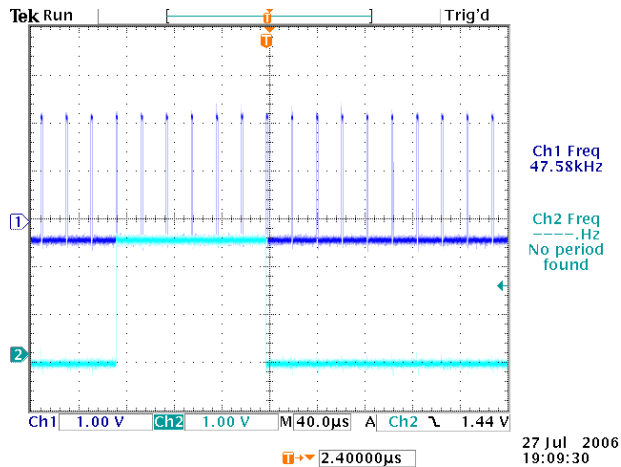
## Data Output (Read)



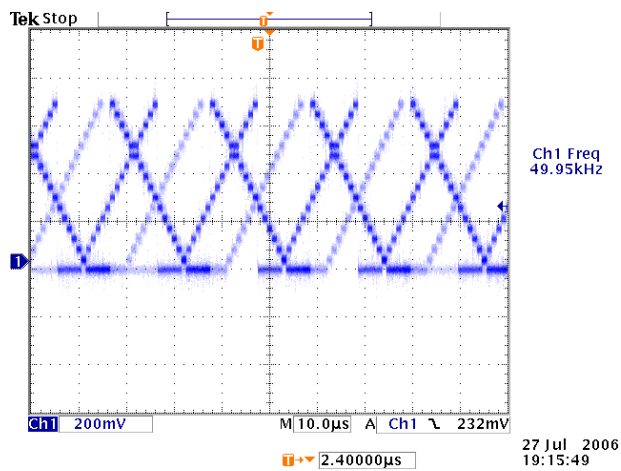
# Chapter8 Waveforms

PC MODE(1366X768 60HZ)

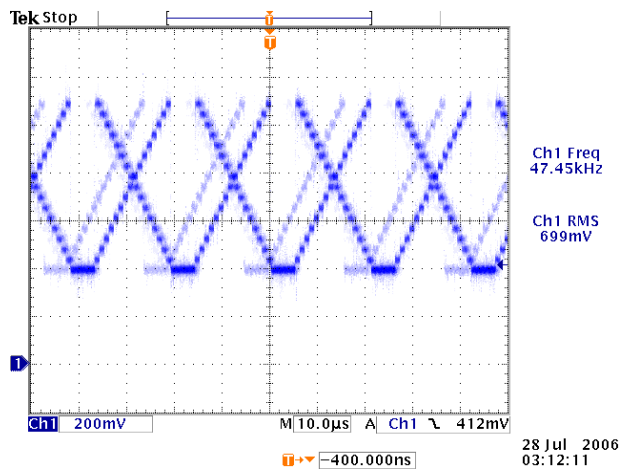
CH1 H-sync (L21); CH2 V-sync (L22)



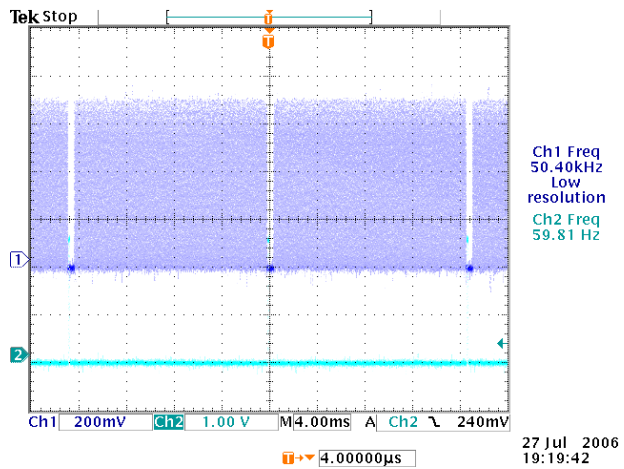
CH1 GREEN (FB27)



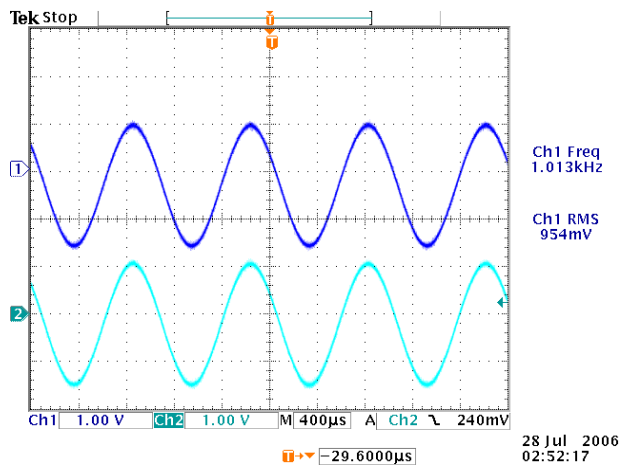
### CH1 GREEN+(C294)



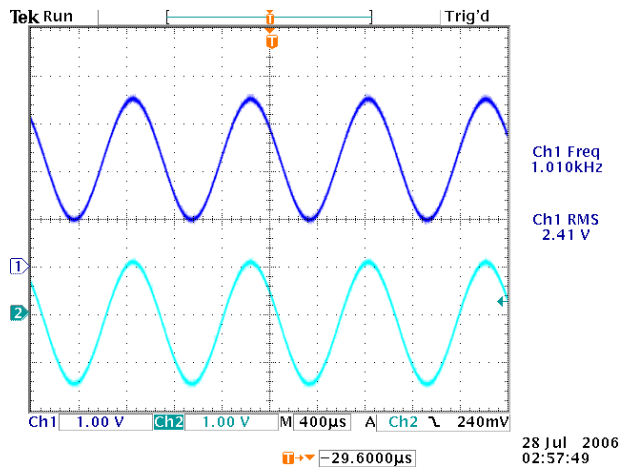
### CH1 GREEN # (FB27); CH2 VGA VSYNC (L22)



# CH1 VGAL (R193); CH2 AVOL (R194)

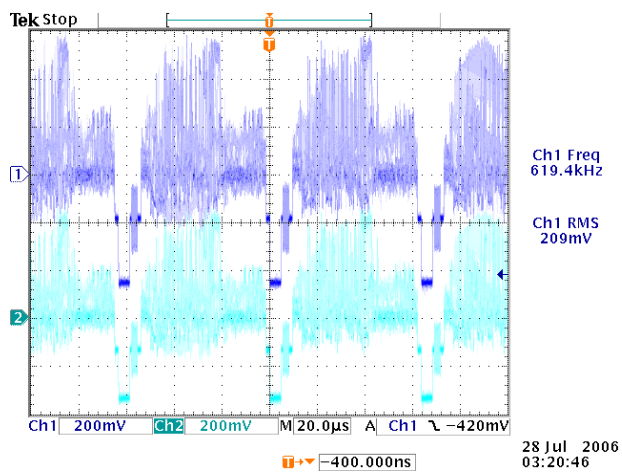


# CH1 PC\_L (CE70+) ; PC\_L (CE70-)

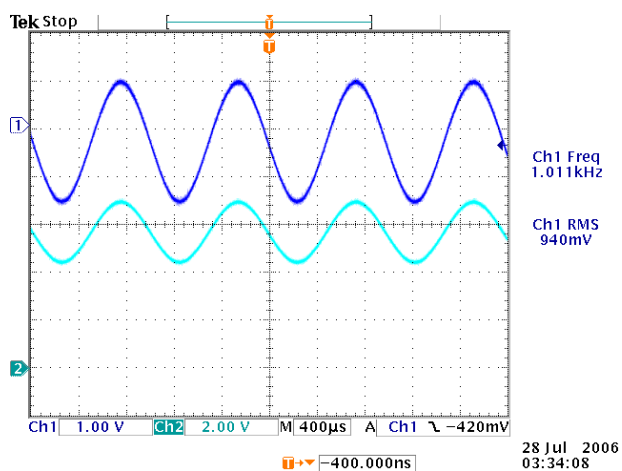


## AV&TV MODE (AV1/AV2/TV) VIDEO

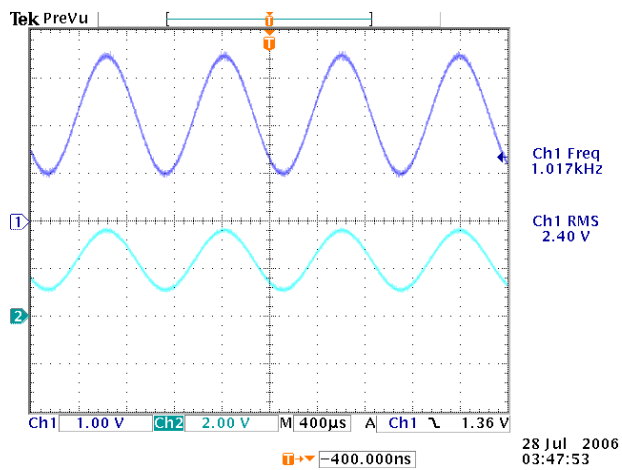
CH1 CVBS2 (R169); CH2 AV2CVBS (C255)



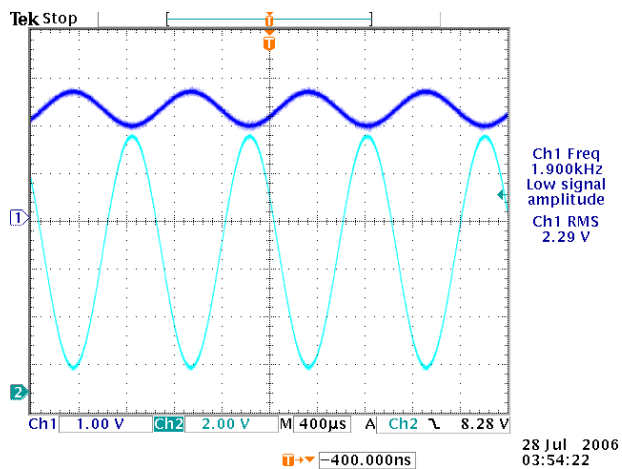
CH1 AV2L (R237); CH2 AV2L (U22 PIN14)



CH1 AV\_L (U22 PIN13) ; CH2 AV\_L (CE71-)

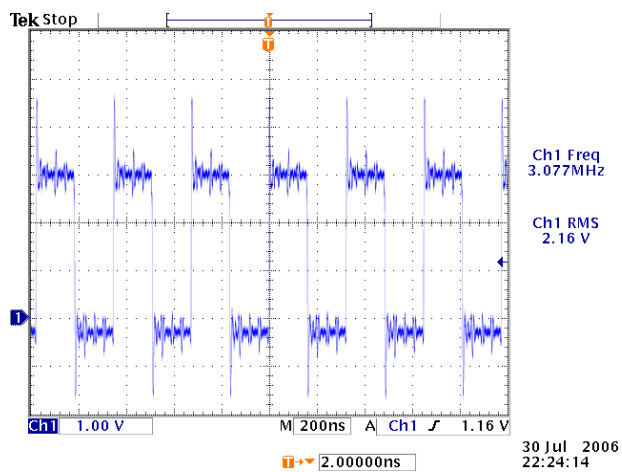


CH1 AUSPL (R302);CH2 OUT2+5(J4 PIN4)

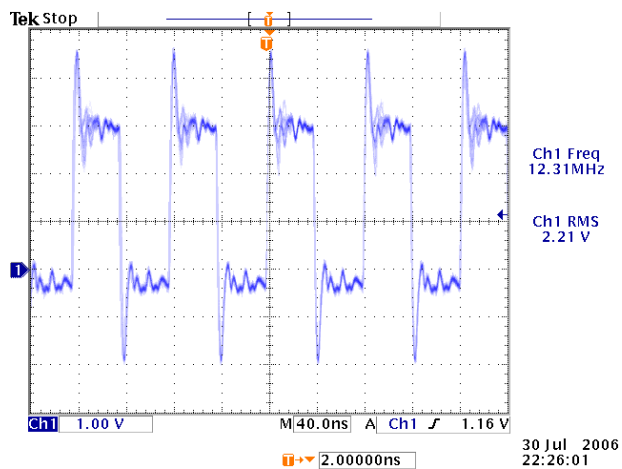




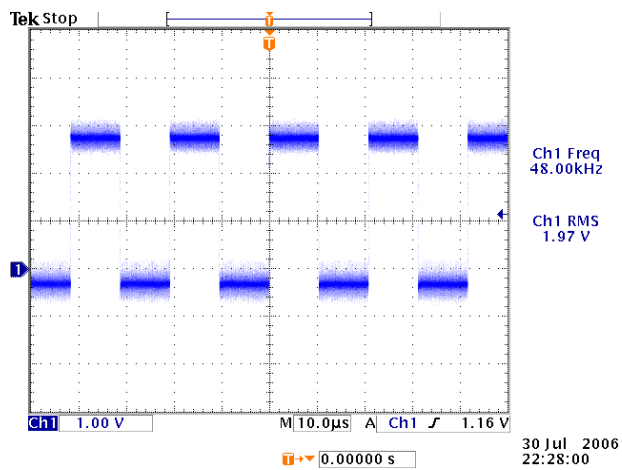
### CH1 DACBCLK (U23 PIN4);



### CH1 DACMCLK (U23 PIN5);

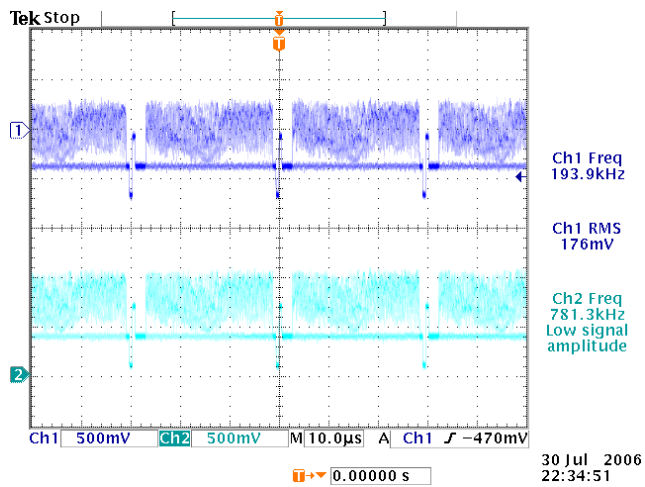


## CH1 DACLRCK (U23 PIN7)

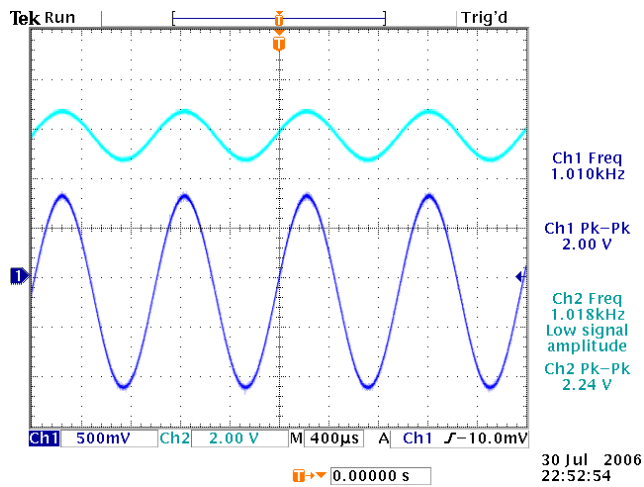


## COMPONENT MODE (COMPONENT 1/2)

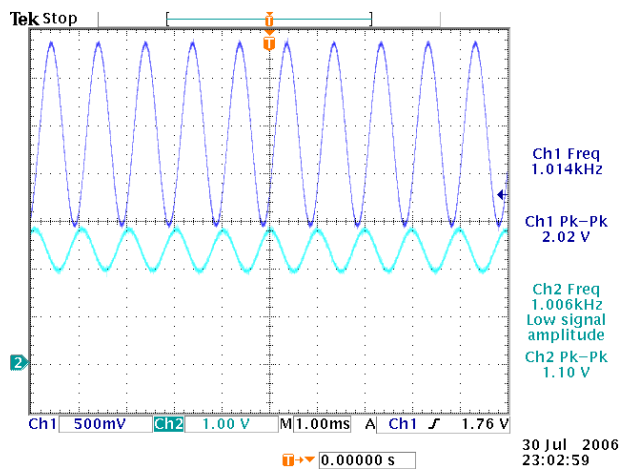
CH1 COM\_Y2 (L16); CH2 AVY1P (C269)



# CH1YCBCR\_L2(L19) CH2 2A33 (U22 PIN11)

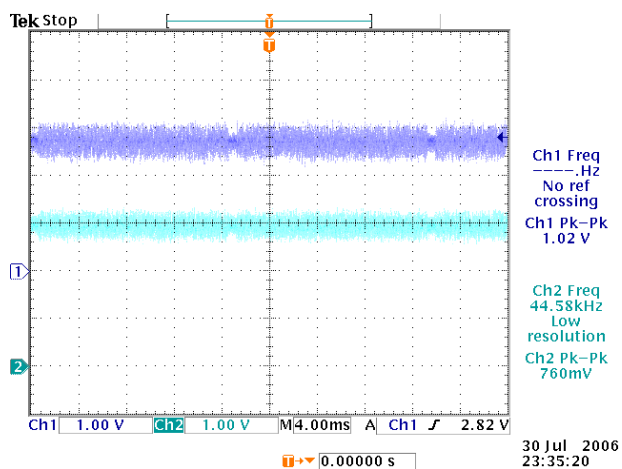


# CH1 AV\_L (CE71+);CH2 AUSPL (R304)

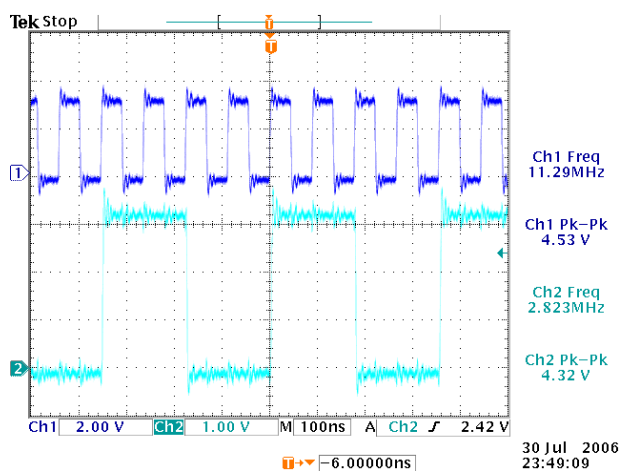


## HDMI 1&2

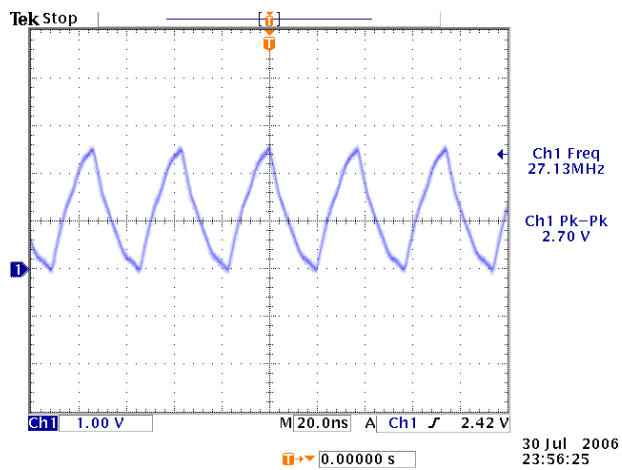
CH1 RX1\_2 (P11 PIN 1); CH2 DATA2+ (U31 PIN3)



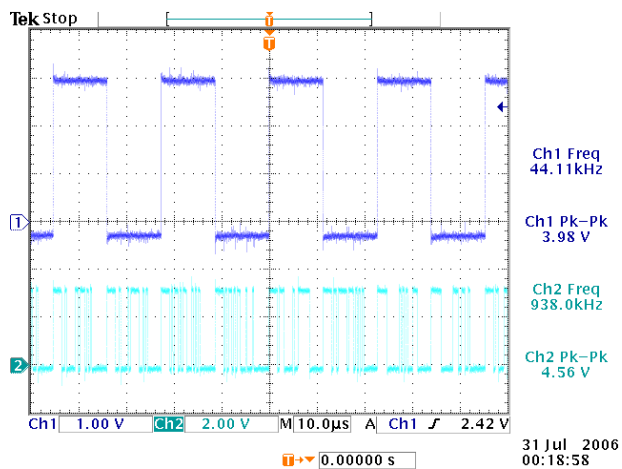
CH1 HDMIMCLK (U19 PIN 79) ;CH2 HDMIBCLK (U19 PIN 76)



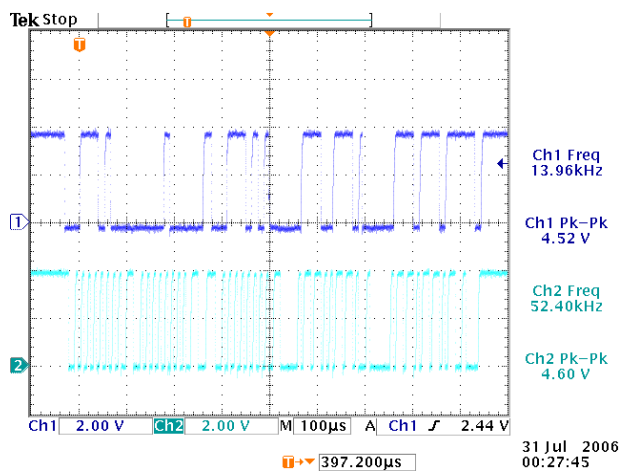
## CH1 SOG\_IN (U19 PIN4)



## CH1 HDMILRCK (U19 PIN75) CH2 HDMISDO (U19 PIN74)

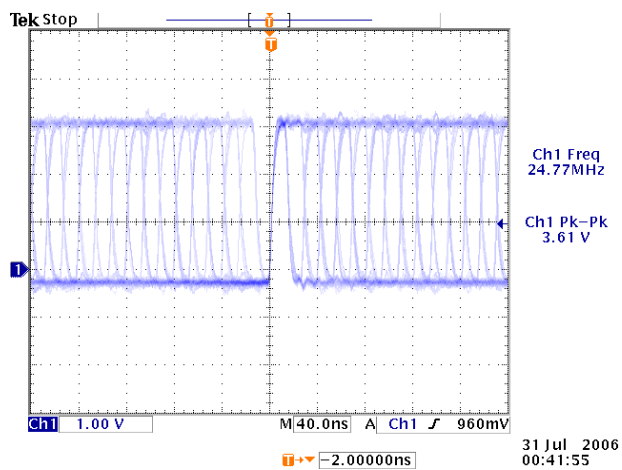


CH1 DDC\_SDA (Q14 PIN3);CH2 DDC\_SCL (Q13 PIN3)

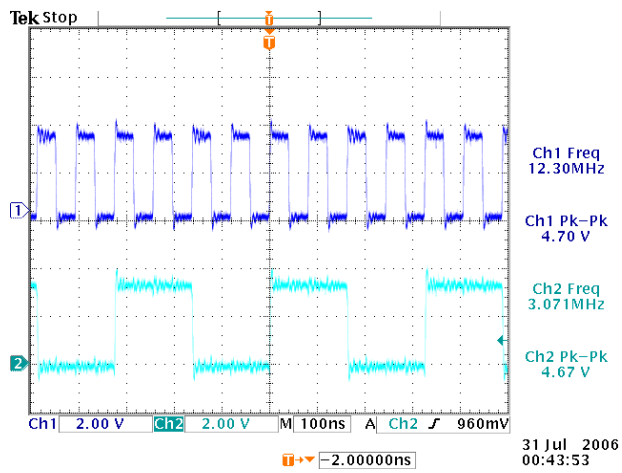


DTV HD

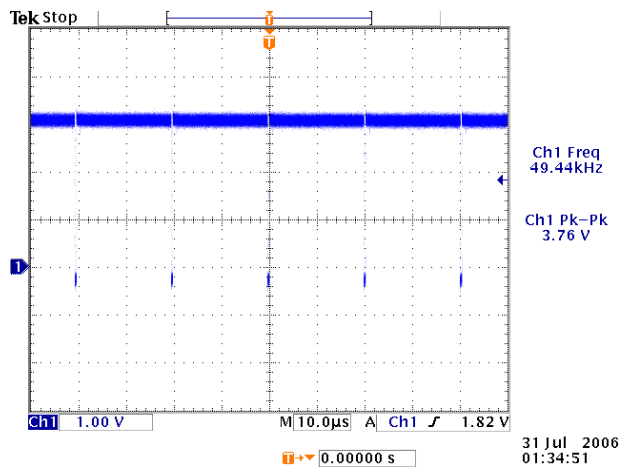
CH1 VOB0 (RP35)



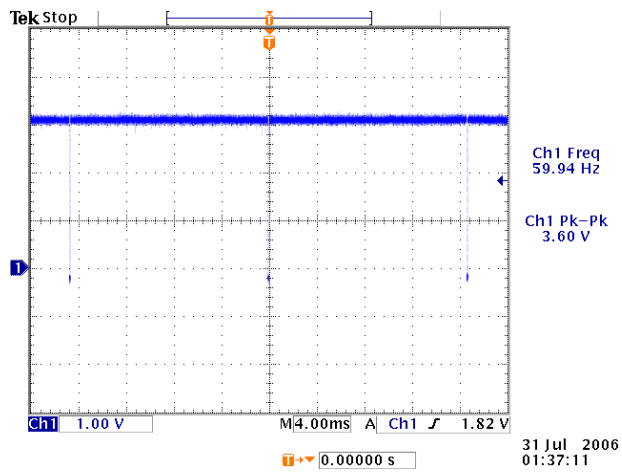
# CH1 AO1MCLK (DU9 PIN J1 ) CH2 AO1BCK (DU9 PIN J2)



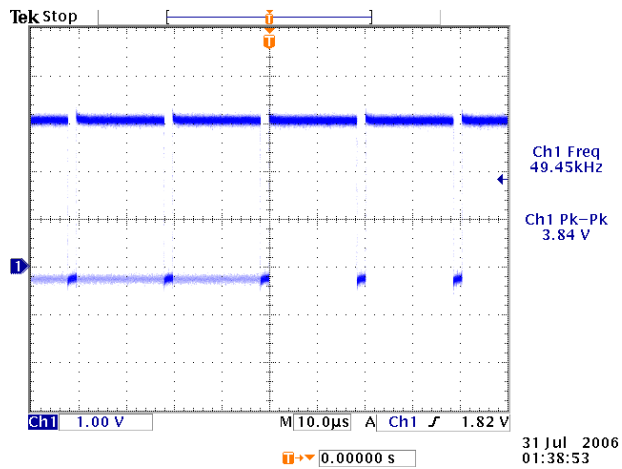
# CH1 VOHSYNC (DU9 PIN V4)



### CH1 VOVSYN (DU9 PIN W1)

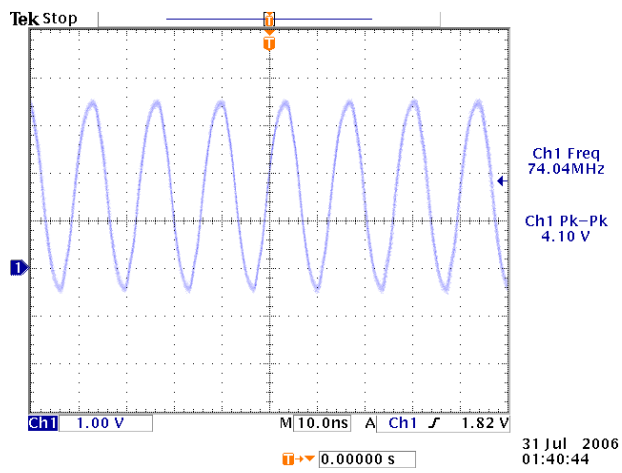


### CH1 VODE (DU9 PIN W2)



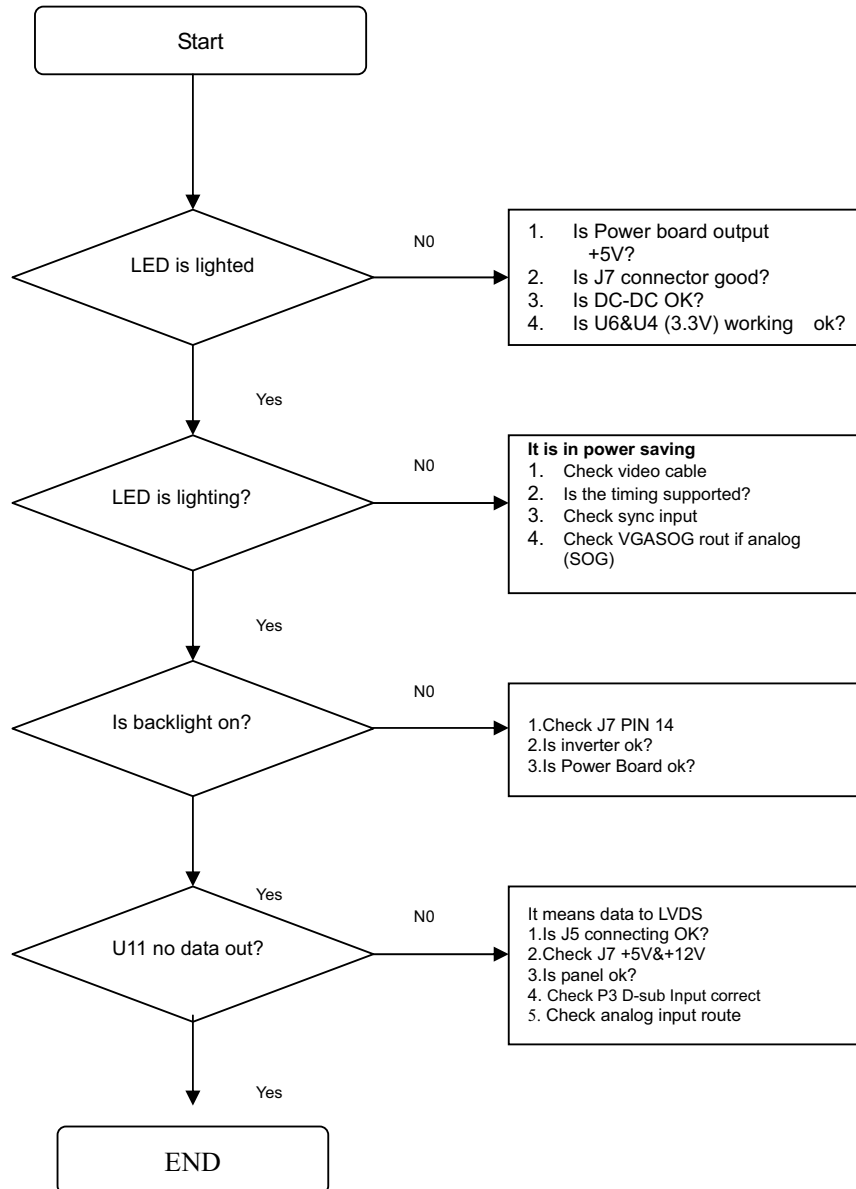


## CH1 VOPCLK (DU9 PIN V3)



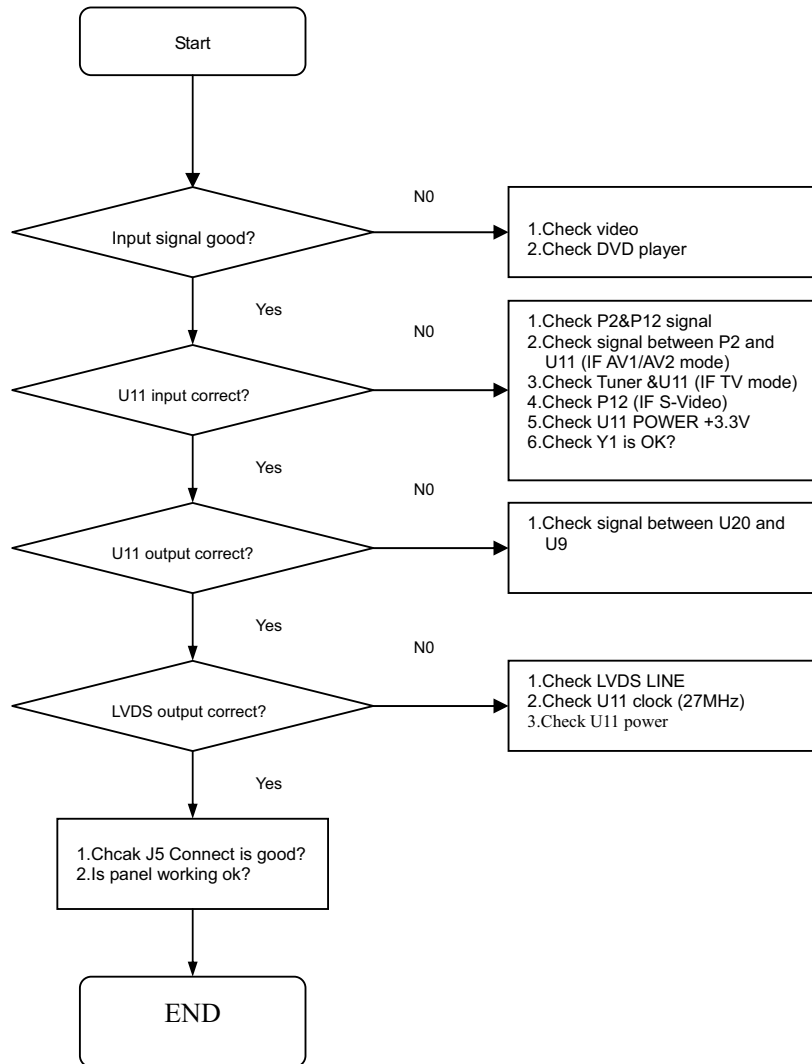
# Chapter 9    Trouble shooting

## MONITOR DISPLAY NOTHING (PC MODE)



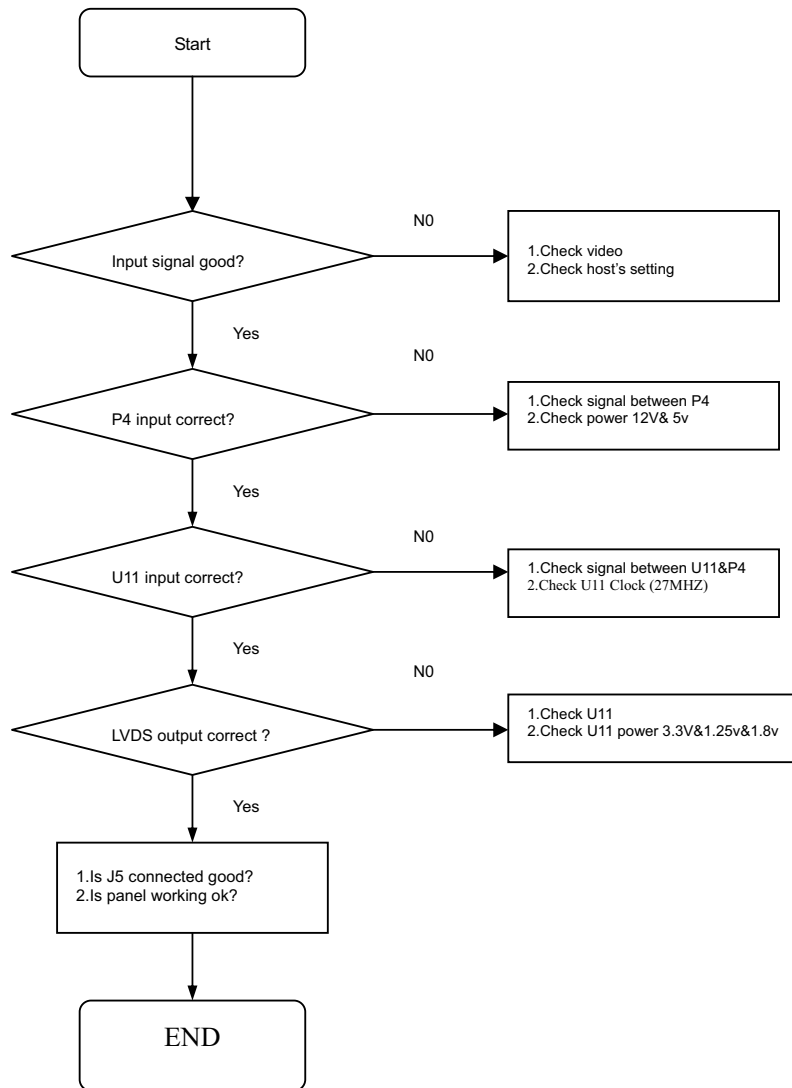
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(TV, COMPOSITE VIDEO1, 2, S-VIDEO) IS NOT DISPLAY CORRECTLY



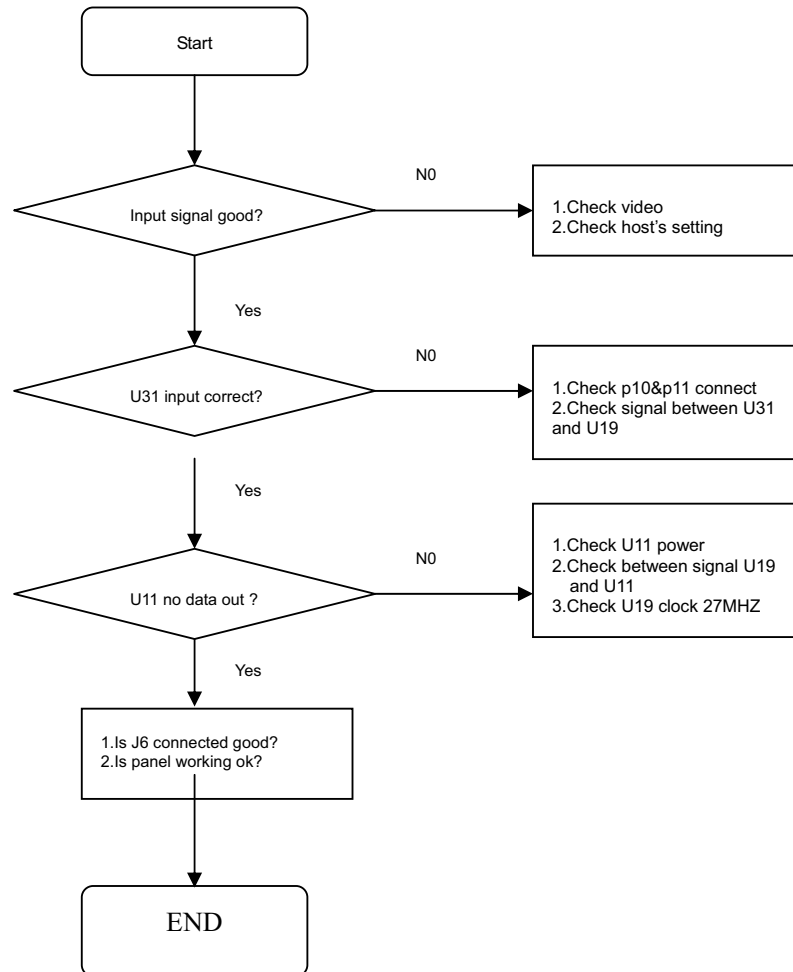
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(COMPONENT1, 2) IS NOT DISPLAY CORRECTLY

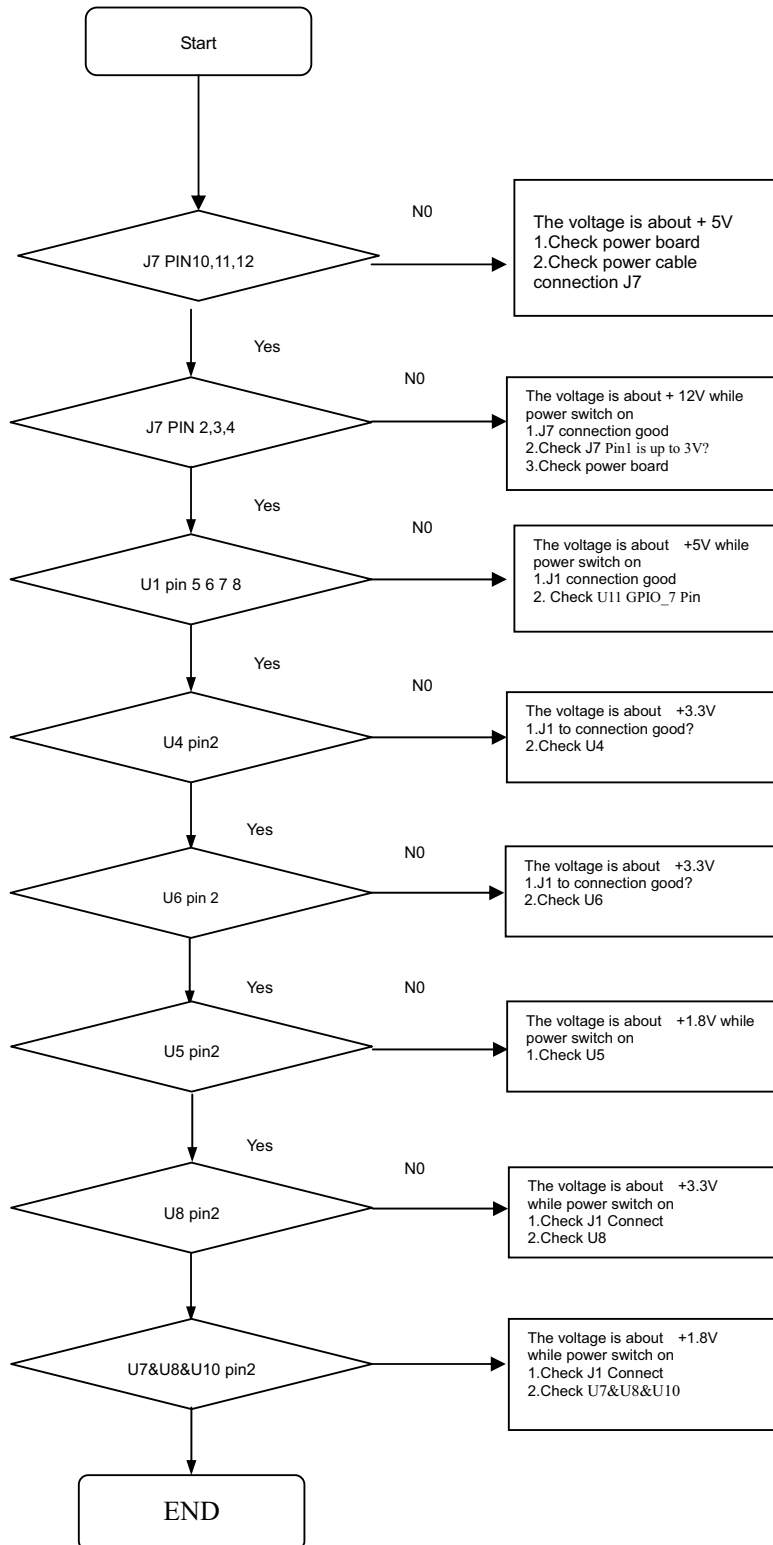


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(HDMI) IS NOT DISPLAY CORRECTLY

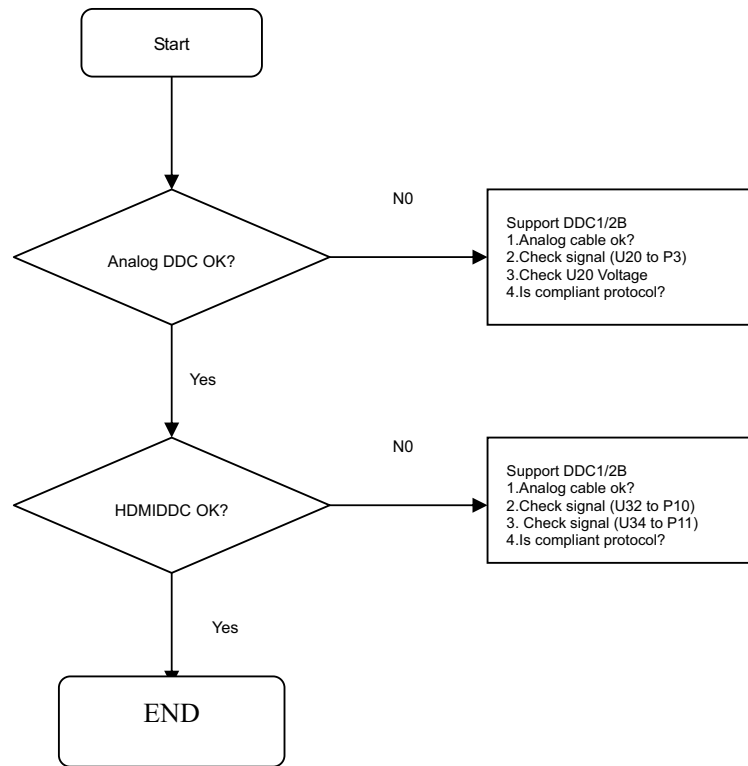


## TROUBLE OF DC-DC CONVERTER



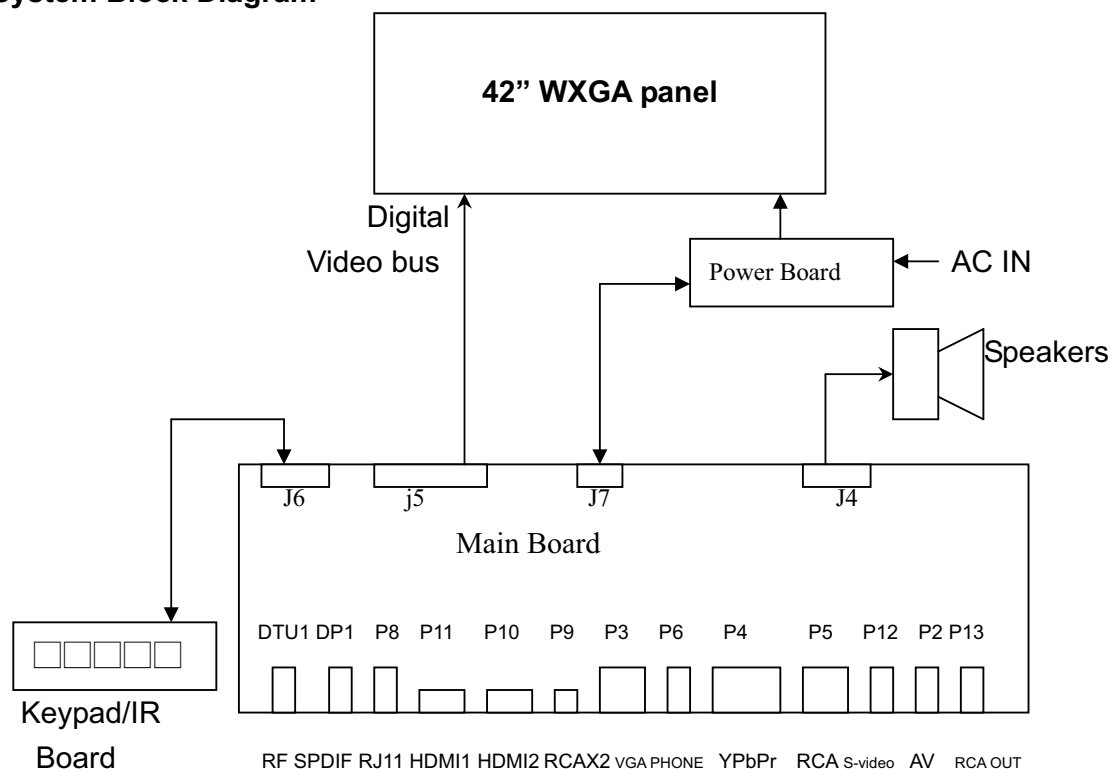
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## TROUBLE OF DDC READING



# Chapter 10 Block Diagram

## System Block Diagram



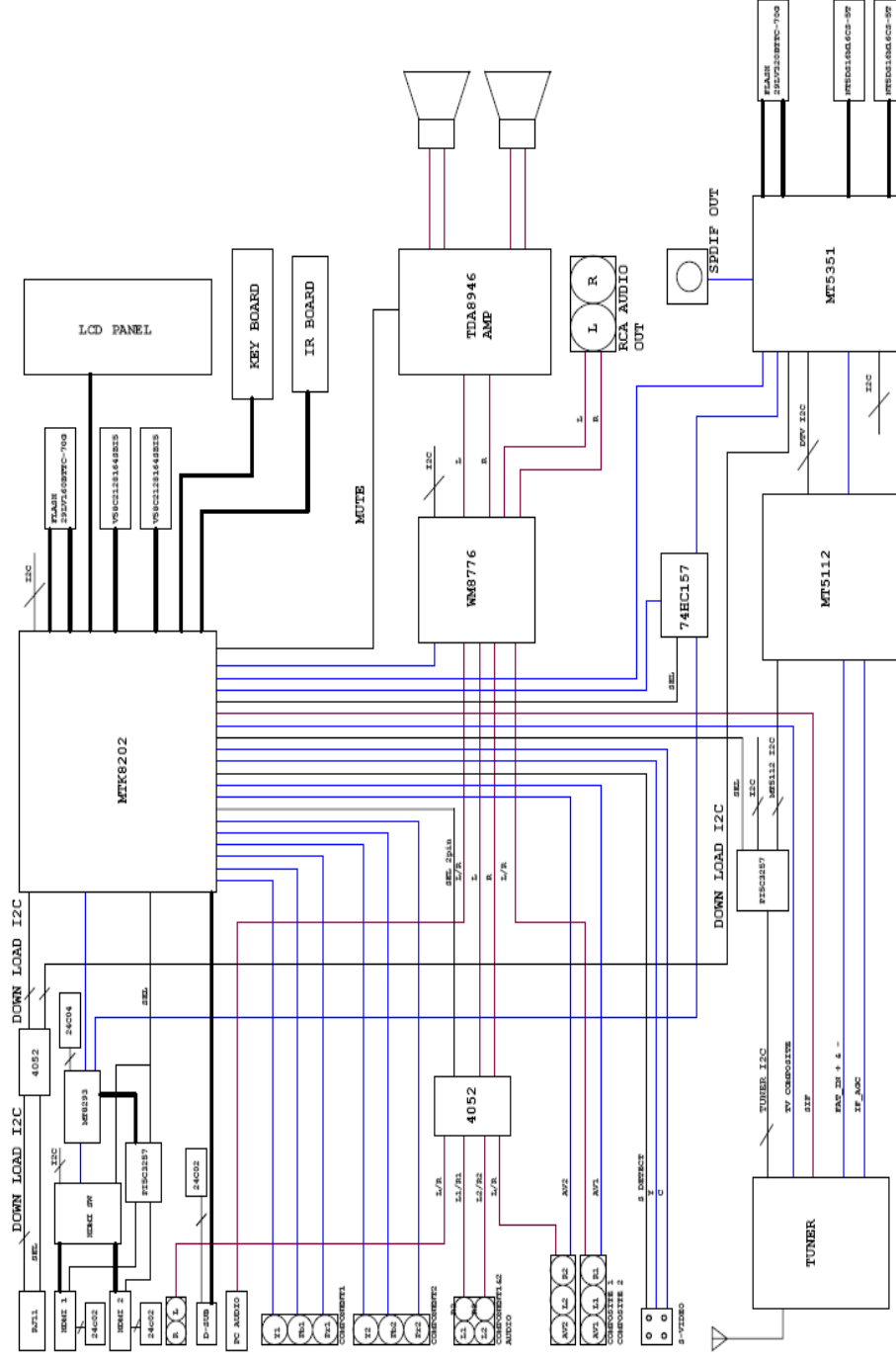
The TV system block diagram is powered by power board that transforms AC source of 100V~240V AC +/- 10% @ 50/60 HZ into DC 5V & 12V& 24Vsource. The main board receives different types of video signal into the MTK8202 Ic. Afterward, the MTK8202 Ic process the signals control the various functions of the monitor and outputs control signal, video signal and power to the 42" WXGA panel to be displayed.

The power send to the panel is first processed by the inverter. The function of the inverter is to step up the voltage supplied by the main board to the power that is needed to light up the lamps in the panel. Simultaneously, the digital video signals are processed in the panel and the outcome determines the brightness, pixel on/off and the color displayed on the panel. The analog video signals of S-video, YPbPr, TV, PC and A/V all video signals are translated from analog signals into MTK8202 generates the vertical and horizontal timing signals for display device. The analog audio of s-video, YpbPr, TV, PC and A/V is transmitting to the WM877 processed.



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The purpose is process the input audio signal to control volume, bass, treble, surround, and balance. The HDMI video and audio is must transmitting to MT8293 processed then TMDS signal to the MTK8202 generates the vertical and horizontal timing signals for display device. All functions are controllable by the main board. Plus, all functions in the IC boards are programmable using I2C Bus.



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File No. SG-0198

# Chapter 11 Spare Parts List

## VIZIO L42HDTV10A\_LG

PART NO	DESCRIPTION	LOC	QTY	REMARK
0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	F2	1	
0185-1502-0073	FUSE 125V/5A SMD (R45105) L-F	F1	1	
0320-4000-0142	POWER CORD 110V UL/CSA 1800mm BLK N.M. (VINC)		1	
0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)		1	
0360-1000-0420	POWER INDUCTOR L:10uH 1.44A 5.8x5.2mm SMD LF	DL16	1	
0361-2022-0030	COIL CHOKE 22UH 2.9A 11*12 DIP TSL1112RA-220K2R9-PF	DL7,DL8	2	
0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	U1,U2,U3	3	
0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	U24	1	
0430-6005-5079	IC AP1117E18LA LF SOT-223	U10,U7,U9	3	
0430-6007-5079	IC AP1117E33LA LF SOT-223	DU2,U4,U6,U8	4	
0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	DU4,U5	2	
0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	DU1	1	
0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	DU5,DU6	2	
0430-6015-6099	IC RESET STL8110GCL438 4.38V SOT-23 3PIN LF	U27	1	
0430-6015-8079	IC DC/DC CONVERTER AP1522WA SOT23-5 5PIN LF	DU18	1	
0430-7043-5092	IC SWITCH PI5C3257QE QSOP 16PIN LF	DU7,U33	2	
0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	UR1	1	
1801-0122-9010	FRONT BEZEL (L42 HDTV10A)(ABS, BLACK) ASS'Y		1	
1925-1000-3390	EPS T_R (L42 HDTV10A)		1	
1925-1000-3400	EPS T_L (L42 HDTV10A)		1	
1925-1000-3410	EPS B_R (L42 HDTV10A)		1	
1925-1000-3420	EPS B_L (L42 HDTV10A)		1	
1925-1100-0230	PE BAG 320*230*0.04T		2	
1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)		1	
1925-1100-2300	LD-PE BAG (1280*1050*0.07)		1	
1925-1200-7080	ACCESSARY BOX (330W*230D*50H)		1	
1925-1200-8871	CARTON BOTTOM (L42HDTV10A)		1	
1925-1200-8901	CARTON VIZIO(L42HDTV10A)		1	
1925-1300-7080	Brochure VIZIO Series		1	
1925-1300-7691	MANUAL VIZIO L42 HDTV10A		1	
1925-1300-7760	Quick Setup Guide VIZIO(L42HDTV10A)		1	
1925-1400-2710	Register CARD/VIZIO L15		1	
1925-1900-0640	CARTON JOINT (L42 HDTV10A)		4	
1925-2000-0030	Polishing Cloth VIZIO P42 HDTV10A		1	
1936-1100-8550	B/C LBL VIZIO(L42HDTV10A)		1	
1947-1200-0310	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 27*75mm		4	
1947-1200-0400	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 20*45mm		14	
1947-1200-1560	FILAMENT TAPE (TIBON 25wide)		0.7	
1947-1200-3420	Masking Mylar (13*25mm, t=0.25mm)		1	
1947-1200-3480	Non Woven (160*7mm , t=0.35mm)		1	
1947-1500-2890	SPONGE (146*7mm)		4	
1947-1500-2900	SPONGE (80*7mm)		4	
1947-1700-0020	SHIELDING AL. TAPE (45.0*25.0)		1	
1947-1800-0490	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ		1	
1947-1900-0160	HEAT PATH (25*14mm , t=1 mm)		1	
3642-0012-0312	PACKING ASS'Y L42 HDTV10A		1	
3642-0012-0331	PANEL ASS'Y L42 HDTV10A (LG)		1	
3842-0042-0301	PDP BASE ASS'Y PD-42L		1	

VIZIO GV42L HDTV\_LG

PART NO	DESCRIPTION	LOC	QTY	REMARK
0000-0000-0002				
0043-0704-3509	IC SWITCH PI5C3257QE QSOP 16PIN LF	DU7 U33	2	
0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	F1 F4 F6	3	
0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	F1 F2 F3	3	
0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	F4	1	
0280-2500-0012	X'TAL 25MHZ 49/US 30PPM 20PF LF	DY1	1	
0280-2700-0012	X'TAL 27MHZ 49/US 30PPM 20PF 40ohm	Y1	1	
0286-2700-0024	OSC 27MHz 25ppm 3.3V SMD VCXO	DX1	1	
0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	Q2 Q38	2	
0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	Q1 Q10 Q11 Q12 Q15 Q18 Q19 Q20 Q21 Q23 Q24 Q25 Q27 Q28 Q29 Q3 Q31 Q32 Q33 Q39 Q4 Q5 Q9	23	
0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	Q22	1	
0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	Q13 Q14 Q34	3	
0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	U1	1	
0420-1006-2622	MOSFET N-CH 11A 30V FDS6690A SOP-8 LF	U25	1	
0430-0001-8015	IC CD4052BNSR 16PIN SOP16 L-F	U22 U29	2	
0430-1010-8615	IC TTL LOGIC CD74HC157M96 SOIC 16PIN LF	U30	1	
0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	U21	1	
0430-3004-3011	IC AT24C16AN-10SU-2.7 SO-8 L-F	U28	1	
0430-3006-9011	IC AT24C04N-10SU-2.7 SO-8 L-F	U17	1	
0430-3039-3645	IC MX29LV160CTTC-70G 48PIN TSOP LF	U12	1	
0430-3039-4645	IC MX29LV320CTTC-70G 48PIN TSOP LF	DU14	1	
0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	U20 U32 U34	3	
0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	U24	1	
0430-6002-8079	IC AP1117E25LA SOT-223 L-F	DU3 U16	2	
0430-6005-5079	IC AP1117E18LA LF SOT-223	U10 U5 U7 U9	4	
0430-6007-5079	IC AP1117E33LA LF SOT-223	DU2 U4 U6 U8	4	
0430-6007-7072	IC N2576SG-5 SMD 5PIN (TO-263) L-F	U4	1	
0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	DU4 U18	2	
0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	DU17 U15	2	
0430-6011-1072	IC N2576SG-ADJ TO-263 5PIN LF	U1	1	
0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	DU1	1	
0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	DU5 DU6	2	
0430-6015-8079	IC DC/DC CONVERTER AP1522WA SOT23-5 5PIN LF	DU18	1	
0430-6016-7099	IC RESET STL8110GCL300 3V SOT-23 3PIN LF	U27	1	
0430-7027-3699	IC WM8776SEFT 48PIN TQFP L-F	U23	1	
0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	DU15 DU16	2	
0430-7035-1999	IC MT5351AG 471PIN BGA LF	DU9	1	
0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	U13 U14	2	
0430-7041-6999	IC HDMI CINEMA RECEIVER MT8293AE-L 128Pin QFP LF	U19	1	
0430-7042-8999	IC SCALER MT8202AG/BD-L BGA 388PIN LF	U11	1	
0430-7043-1999	IC DEMODULATOR MT5112BD LQFP 100PIN LF	DU8	1	
0430-7044-1092	IC SWITCH PI3HDMI412FTZHE TQFN 42PIN LF	U31	1	
0460-1005-0560	WH A2001H02-5P/A2001H02-4P 1007#24 220mm			
0460-1008-0501	WH A2001H02-8P/A2001H02-4P+5P UL20276#28 795/700mm			
0460-1015-0130	WH A2001-15P/5P+A2512H00-13P 1007#24 160/320+CORE			
0460-1110-0070	WH A2512H00-10P/A2501H02-8P 1007#22 410mm +CORE			
0460-4131-0040	WH FI-W31S/P240430 UL20276#30 340mm Core*2			
0980-0103-3060	MODULE TUNER DTVS205CH201A L-F	DTU1	1	

PART NO	DESCRIPTION	LOC	QTY	REMARK
1701-0416-9010	BUTTON (PD-42FBJ)(ABS,Cr-Plating)		1	
1701-0524-4010	BASE COVER (VX42P HDTV)(ABS, 877C)		1	
1701-0800-2060	SPEAKER DECORATION (VX42P HDTV)(PMMA)		1	
1701-0800-2230	Decoration Plate VINC VP42 HDTV		1	
1701-1000-0520	FOOT (PORON)(20mm*15mm*2.0mm)(PD-42L)		8	
1701-1500-0220	WIRE SADDLE (CH-02)		6	
1701-1500-1080	EDGE SADDLE DS-12 (NYLON)		4	
1701-1500-1350	WIRE CLIP(TDY8-1A)		2	
1701-1500-1570	WIRE SADDLE(CM-10M)(GV46L HDTV)		4	
1701-1929-6010	SPEAKER REAR COVER RIGHT (L42 HDTV10A)(HIPS, BLACK)		1	
1701-1929-6020	SPEAKER REAR COVER LEFT (L42 HDTV10A)(HIPS, BLACK)		1	
1701-1932-3010	SPEAKER NET (VX42P HDTV)(HIPS, 877C)		1	
1712-0100-8991	BASE PLATE (PD-42L)(SECC T1.2/ Φ 6mm)		1	
1712-0100-4590	HEAT SINK FIX MTEAL (TM-30A)		1	
1712-0101-0630	MAIN FRAME_R (VX42P HDTV)(SGCC T=1.6mm)		1	
1712-0101-0640	MAIN FRAME_L (VX42P HDTV)(SGCC T=1.6mm)		1	
1712-0101-0650	PANEL BKT_H (VX42P HDTV)(SGCC T=0.8mm)		2	
1712-0101-0660	PANEL BKT_V (VX42P HDTV)(SGCC T=0.8mm)		2	
1712-0101-0670	PCB SUPPORT (VX42P HDTV)(SECC T=0.8mm)		1	
1712-0101-0680	I/O BKT (VX42P HDTV)(SGCC T=0.8mm)		1	
1712-0101-0740	BASE FRAME (VX-42P HDTV)(SECC T=2.0mm)		2	
1712-0101-0950	Fix BKT_T (VP42 HDTV)(SECC T=0.8mm)		3	
1712-0101-0960	Fix BKT_B (VP42 HDTV)(SECC T=0.8mm)		3	
1712-0200-0490	REAR COVER (VX42P HDTV)(SGCC T=0.8mm)		1	
1801-0122-9020	FRONT BEZEL (VX42P HDTV)(ABS, BLACK) ASS'Y		1	
1925-1000-3660	EPS FORM B_L (VP42 HDTV)		1	
1925-1000-3670	EPS FORM B_R (VP42 HDTV)		1	
1925-1000-3680	EPS FORM T_L (VP42 HDTV)		1	
1925-1000-3690	EPS FORM T_R (VP42 HDTV)		1	
1925-1100-2080	PE BAG (PD-42L)(1280*1200*0.5)		1	
1925-1200-8920	CARTON TRAY (GV42L HDTV)		1	
1925-1200-8930	CARTON BLANK(GV42L HDTV)		1	
1925-1900-0630	CARTON JOINT(GV46L)		4	
1947-1200-3420	MASKING MYLOR		1	
1947-1200-3820	SHINING PLATE(185X24.5X0.6t)		1	
1947-1400-0150	NON-WOVEN FABRICS (100L*7W*0.5H)		2	
1947-1400-0160	NON-WOVEN FABRICS (200L*7W*0.5H)		2	
1947-1700-0040	SHIELDING AL. TAPE (100.0*20.0)		1	
3420-0012-0156	DISPLAY BD ASS'Y			
3842-0012-0185	DC TO DC BD ASS'Y			
3842-0082-0189	IR BD ASS'Y			
3842-0152-0150	MAIN BD ASS'Y			

## Chapter 12-1 Complete Parts List

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### 9642-8500-1053 LCD TV Monitor 42" L42 HDTV10A (LG)(ABS, BLACK)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			3642-0012-0312	PACKING ASS'Y L42 HDTV10A	1
2			3642-0012-0331	PANEL ASS'Y L42 HDTV10A (LG)(ABS, BLACK)	1
3			3842-0042-0301	PDP BASE ASS'Y PD-42L (HIPS, 877C)	1

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**3642-0012-0312 PACKING ASS'Y L42 HDTV10A**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0800-1540	AC IN PLATE VIZIO P50HDM	1
2			1701-0800-1940	REAR PLATE VIZIO L42 HDTV10A	1
3			1925-1000-3390	EPS T_R (L42 HDTV10A)	1
4			1925-1000-3400	EPS T_L (L42 HDTV10A)	1
5			1925-1000-3410	EPS B_R (L42 HDTV10A)	1
6			1925-1000-3420	EPS B_L (L42 HDTV10A)	1
7			1925-1100-2300	LD-PE BAG (1280*1050*0.07)	1
8			1925-1200-8871	CARTON BOTTOM (L42HDTV10A)	1
9			1925-1200-8901	CARTON VIZIO(L42HDTV10A)	1
10			1925-1900-0640	CARTON JOINT (L42 HDTV10A)	4
11			1936-1100-8550	B/C LBL VIZIO(L42HDTV10A)	1
12			3642-0012-0393	ACCESSORY ASS'Y L42 HDTV10A	1

## 3642-0012-0331 PANEL ASS'Y L42 HDTV10A (LG)(ABS, BLACK)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0211-0420-0661	LCD MODULE 42.0" TFT LC420W02-SLA1 (LG,PHILIPS)	1
2			0260-0000-0220	AC INLET +VHR5P 1617#22 270mm 1015#18 115mm	1
3			0335-1006-0452	SPEAKER ASS'Y 6OHM 10W BOX +Wire 1100/620mm L-F	1
4	SS		0335-1006-0472	SPEAKER ASS'Y 6OHM 10W BOX +Wire 1100/620mm L-F	
5			0460-1008-0430	WH A2001H02-8P-A2001H02-4P+5P 2464#28 980mm	1
6			0460-3430-0890	WH FI-X30C2EL/P240430 20276 480mm + CORE	1
7			0460-4013-0110	WH A2543H13P-A2001H02-12P 1007#24 600mm	2
8			0460-4015-0020	WH A2543H15P-A2001H02-14P 1007#24 340mm	1
9			0500-0507-0230	POWER BD ASS'Y DPS-283AP L-F	1
10			0950-0000-0010	License: Dolby-AC3 Two-Channel Dolby Digital Deco	1
11			0950-0000-0020	License: MPEG-LA Consumer Products	1
12			0950-0000-0030	License: HDMI	1
13			0960-0000-0050	SOFTWARE MTK HDCP KEY CODE (China)	1
14			1701-0416-9010	BUTTON (PD-42FBJ)(ABS,Cr-Plating)	1
15			1701-1500-1080	EDGE SADDLE DS-12 (NYLON)	4
16			1701-1929-5010	SPEAKER NET (L42 HDTV10A)(HIPS, 877C)	2
17			1701-1929-6010	SPEAKER REAR COVER RIGHT (L42 HDTV10A)(HIPS, BLACK)	1
18			1701-1929-6020	SPEAKER REAR COVER LEFT (L42 HDTV10A)(HIPS, BLACK)	1
19			1701-1929-7010	FRAME ADAPTER BR (L42 HDTV10A)(ABS, NATURE)	2
20			1701-1929-7020	FRAME ADAPTER BL (L42 HDTV10A)(ABS, NATURE)	2
21			1712-0100-4590	HEAT SINK FIX MTEAL (TM-30A)	1
22			1712-0100-9850	MAIN FRAME R (L42 HDTV10A)(SECC T=2.0mm)	1
23			1712-0100-9860	MAIN FRAME L (L42 HDTV10A)(SECC T=2.0mm)	1
24			1712-0100-9870	PANEL BKT H (L42-AB)(SECC T=0.8mm)	2
25			1712-0100-9880	PANEL BKT V (L42 HDTV10A)(SECC T=0.8mm)	2
26			1712-0100-9891	PCB SUPPORT (L42 HDTV10A)(SECC T=0.8mm)	1
27			1712-0100-9900	I/O BKT (L42 HDTV10A)(SECC T=0.8mm)	1
28			1712-0200-0450	REAR COVER (L42 HDTV10A)(SGCC T=0.8mm)	1
29			1712-0400-0720	HEAT SINK (PD-42S)	1
30			1720-0003-0650	MAC. SCREW-MB M3.0*6.0L, BLK-Ni	28
31			1720-0004-0850	MAC. SCREW-MB M4.0*8.0L, BLK-Ni	12
32			1720-1204-0820	MAC. SCREW-MPGW M4.0*8.0L, Ni	1
33			1720-1504-3520	MAC. SCREW-MPSWF M4.0*35.0L, Ni	8
34			1720-4003-0650	MAC. SCREW-MRF M3.0*6.0L, BLK-Ni	4
35			1720-7344-0820	MAC. SCREW-MHSW #4-40*8.0L, Ni	2
36			1721-0003-0650	TAP. SCREW-TB #3.0*6.0L, BLK-Ni	9
37			1721-0003-1250	TAP. SCREW-TB #3.0*12.0L, BLK-Ni	32
38			1721-4103-0820	TAP. SCREW-TRF #3.0*8.0L, Ni	6
39			1801-0122-9010	FRONT BEZEL (L42 HDTV10A)(ABS, BLACK) ASS'Y	1
40			1947-1200-0310	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 27*75mm	4
41			1947-1200-0400	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 20*45mm	14
42			1947-1200-3420	Masking Mylar (13*25mm, t=0.25mm)	1
43			1947-1200-3480	Non Woven (160*7mm , t=0.35mm)	1
44			1947-1500-2890	SPONGE (146*7mm)	4
45			1947-1500-2900	SPONGE (80*7mm)	4
46			1947-1700-0020	SHIELDING AL. TAPE (45.0*25.0)	1
47			1947-1800-0490	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ	1
48			1947-1900-0160	HEAT PATH (25*14mm , t=1 mm)	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
49			3420-0012-0150	MAIN BD ASS'Y L42 HDTV10A (HDCP)	1
50			3420-0012-0156	DISPLAY BD ASS'Y L42 HDTV10A	1
51			3642-0012-0189	IR BD ASS'Y L42 HDTV10A	1

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**3842-0042-0301 PDP BASE ASS'Y PD-42L (HIPS, 877C)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0520-2010	BASE COVER (PD-42L)(HIPS, 877C)	1
2			1701-1000-0520	FOOT (PORON)(20mm*15mm*2.0mm)(PD-42L)	8
3			1712-0100-8981	BASE FRAME (PD-42L)(SPGC T=2.5mm)	2
4			1712-0100-8991	BASE PLATE (PD-42L)(SECC T1.2/ Φ 6mm)	1
5			1720-0004-0850	MAC. SCREW-MB M4.0*8.0L, BLK-Ni	16
6			1721-3003-0920	TAP. SCREW-MF M3.0*9.0L, Ni	15

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**3420-0012-0150 MAIN BD ASS'Y L42 HDTV10A (HDCP)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			342000120150A	MAIN BD ASS'Y L42 HDTV10A AI	1
2			342000120150M	MAIN BD ASS'Y L42 HDTV10A MI	1
3			342000120150S	MAIN BD ASS'Y L42 HDTV10A SMD	1

**3420-0012-0156 DISPLAY BD ASS'Y L42 HDTV10A**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1770-1721	PCB DISPLAY BD FR4 180*17*1.6t S (L42 HDTV10A)(1:10)	1
2		CD1	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
3		CD2	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
4		JD1	0451-2000-0566	WAFER 2.0mm 5P 90' DIP KINK (M24265R) L-F	1
5	SS		0451-2003-0563	WAFER 2.00mm 5P 90' KINK (A2001WR2-5P) L-F	
6		RD1	0131-1809-0015	RES. MF 18ohm 1/10W F 0603 L-F	1
7		RD10	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
8		RD11	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
9		RD12	0131-4302-0015	RES.MF 43Kohm 1/10W F 0603	1
10		RD2	0131-9090-0015	RES. MF 909ohm 1/10W F 0603	1
11		RD3	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
12		RD4	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
13		RD5	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
14		RD6	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
15		RD7	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
16		RD8	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
17		RD9	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
18		SWD1	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
19		SWD2	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
20		SWD3	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
21		SWD4	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
22		SWD5	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
23		SWD6	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
24		SWD7	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1

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**3642-0012-0189 IR BD ASS'Y L42 HDTV10A**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364200120189M	IR BD ASS'Y L42 HDTV10A MI	1
2			364200120189S	IR BD ASS'Y L42 HDTV10A SMD	1

**3642-0012-0393 ACCESSORY ASS'Y L42 HDTV10A**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0320-4000-0142	POWER CORD 110V UL/CSA 1800mm BLK N.M. (VINC)	1
2			0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)	1
3			0602-3000-0020	Battery Zn-Carbon 1.5V AA	2
4			0980-0303-5020	REMOTE CONTROL 66700BA0-010-R LF	1
5			1925-1100-0230	PE BAG 320*230*0.04T	2
6			1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)	1
7			1925-1200-7080	ACCESSARY BOX (330W*230D*50H)	1
8			1925-1300-7080	Brochure VIZIO Series	1
9			1925-1300-7691	MANUAL VIZIO L42 HDTV10A	1
10			1925-1300-7760	Quick Setup Guide VIZIO(L42HDTV10A)	1
11			1925-1400-2710	Register CARD/VIZIO L15	1
12			1925-2000-0030	Polishing Cloth VIZIO P42 HDTV10A	1
13			1947-1200-1560	FILAMENT TAPE (TIBON 25wide)	0.7

**342000120150A MAIN BD ASS'Y L42 HDTV10A AI**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		CE1	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
2		CE11	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
3		CE12	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
4		CE13	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
5		CE14	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
6		CE15	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
7		CE16	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
8		CE17	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
9		CE18	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
10		CE19	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
11		CE20	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
12		CE21	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
13		CE22	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
14		CE23	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
15		CE24	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
16		CE25	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
17		CE26	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
18		CE27	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
19		CE28	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
20		CE29	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
21		CE3	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
22		CE30	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
23		CE33	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
24		CE34	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
25		CE35	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
26		CE36	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
27		CE37	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
28		CE38	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
29		CE39	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
30		CE4	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
31		CE40	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
32		CE41	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
33		CE42	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
34		CE43	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
35		CE44	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
36		CE45	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
37		CE46	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
38		CE47	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
39		CE48	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
40		CE5	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
41		CE56	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
42		CE57	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
43		CE58	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
44		CE59	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
45		CE6	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
46		CE61	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
47		CE62	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
48		CE63	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
49		CE64	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
50		CE65	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
51		CE66	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
52		CE67	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
53		CE68	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
54		CE69	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
55		CE70	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
56		CE71	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
57		CE72	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
58		CE73	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
59		CE74	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
60		CE75	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
61		CE76	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
62		CE77	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
63		CE78	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
64		CE79	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
65		CE8	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
66		CE80	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
67		CE81	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
68		CE82	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
69		CE83	0103-1102-1216	E/C VZ 1000uF 16V 105°C F (10*12.5)	1
70		CE84	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
71		CE87	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
72		CE88	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
73		CE89	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
74		CE9	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
75		CE90	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
76		CE91	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
77		CE92	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
78		CE93	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
79		CE94	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
80		CE95	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
81		CE96	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
82		DCE1	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
83		DCE10	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
84		DCE11	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
85		DCE12	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
86		DCE13	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
87		DCE14	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
88		DCE15	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
89		DCE17	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
90		DCE18	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
91		DCE19	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
92		DCE2	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
93		DCE20	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
94		DCE21	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
95		DCE22	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
96		DCE23	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
97		DCE24	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
98		DCE25	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
99		DCE26	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
100		DCE27	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
101		DCE3	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
102		DCE4	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
103		DCE5	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
104		DCE6	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
105		DCE7	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
106		DCE8	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
107		DCE9	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1



### 342000120150M MAIN BD ASS'Y L42 HDTV10A MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		DL16	0360-1000-0420	POWER INDUCTOR L:10uH 1.44A 5.8x5.2mm SMD LF	1
2		DL7	0361-2022-0030	COIL CHOKE 22UH 2.9A 11*12 DIP TSL1112RA-220K2R9-PF	1
3		DL8	0361-2022-0030	COIL CHOKE 22UH 2.9A 11*12 DIP TSL1112RA-220K2R9-PF	1
4		DP1	0300-6400-0031	OPTO CONN. Transmitter (134-0029-399A) L-F	1
5		DTU1	0980-0103-3060	MODULE TUNER DTVS205CH201A L-F	1
6		DU1	0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	1
7	SS		0430-6011-3204	IC LM7805CT TO-220 3PIN LF	1
8		DY1	0280-2500-0012	X'TAL 25MHZ 49/US 30PPM 20PF LF	1
9		FB36	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
10		J4	0451-2500-0446	WAFER 2.5mm 4P 90' DIP KINK (M241854R) L-F	1
11	SS		0451-2500-0443	WAFER 2.50mm 4P 90' KINK (A2501WR2-4P) L-F	1
12		J6	0451-2000-0866	WAFER 2.0mm 8P 90' DIP KINK (M24268R) L-F	1
13	SS		0451-2003-0863	WAFER 2.00mm 8P 90' KINK (A2001WR2-8P) L-F	1
14		J7	0451-2000-1466	WAFER 2.0mm 14P 90' DIP KINK (M242614R) L-F	1
15	SS		0451-2003-1463	WAFER 2.00mm 14P 90' KINK (A2001WR2-14P) L-F	1
16		L1	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
17		L26	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
18		P12	0300-3041-0090	S-VIDEO 4PIN 90' (2MJ-0602-005) L-F	1
19		P13	0302-9020-0114	RCA JACK 2ROW 2I/O (W-R) L-F	1
20		P2	0302-9060-0022	RCA JACK 2ROW 6I/O (Y-W-R) L-F	1
21		P3	0300-1205-3151	D-SUB FEMALE 90' 15P 3ROW (DV11201-H5R6-4F) L-F	1
22		P4	0302-9060-0020	RCA JACK 2ROW 6I/O (G-B-R)	1
23		P5	0302-9040-0010	RCA JACK 2ROW 4I/O 90' (W-R) L-F	1
24		P6	0302-0350-0012	PHONE JACK 3.5 φ 5P 90' +SHIELD L-F	1
25		P8	0202-6000-0003	RJ11 6P6C Gray UNDER CONTACT L-F	1
26		P9	0302-9020-0114	RCA JACK 2ROW 2I/O (W-R) L-F	1
27		U24	0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	1
28		Y1	0280-2700-0012	X'TAL 27MHZ 49/US 30PPM 20PF 40ohm	1

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**342000120150S MAIN BD ASS'Y L42 HDTV10A SMD**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			342000120150B	MAIN BD ASS'Y L42 HDTV10A SMD BOT	1
2			342000120150T	MAIN BD ASS'Y L42 HDTV10A SMD TOP	1

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**364200120189M IR BD ASS'Y L42 HDTV10A MI**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		DR1	0440-5000-0150	LED L-3WYGW/T-F01 3 @ L-F	1
2		DR1H	1701-1500-0510	LED HOLDER 3PIN/LED QLE-6	1
3		UR1	0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	1
4		UR1S	1701-1500-0360	IR HOLDER (TM-15A)	1
5		WR1	0451-2000-0466	WAFER 2.0mm 4P 90' DIP KINK (M24264R) L-F	1
6	SS		0451-2003-0463	WAFER 2.00mm 4P 90' KINK (A2001WR2-4P) L-F	

### 364200120189S IR BD ASS'Y L42 HDTV10A SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1671-0461	PCB IR BD FR4 61*13*1.6t D (PD-50LT)(1:20)	1
2		CR1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
4		CR2	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
5	SS		0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	
6	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
7	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
8		CR3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
9	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
10		LR1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
11		QR1	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
12	SS		0410-5000-5604	TRANSISTOR MMBT3904 SOT-23 L-F	
13	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
14	SS		0410-5000-5612	TRANSISTOR SST3904FTE25 SOT-23 L-F	
15	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
16		QR2	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
17	SS		0410-5000-5704	TRANSISTOR MMBT3906 SMD (SOT-23) LF	
18	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
19		RR1	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
20		RR2	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
21		RR4	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
22		RR5	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
23		RR6	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
24		RR7	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
25		RR8	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
26		RR9	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
27		ZDR1	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
28		ZDR2	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1

**342000120150B MAIN BD ASS'Y L42 HDTV10A SMD BOT**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C100	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
2	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
3		C101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
4	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
5		C102	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
7		C103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
8	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
9		C104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
11		C105	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
12	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
13		C113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
14	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
15		C121	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
16		C122	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
18		C123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
19	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
20		C124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
21	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
22		C125	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
23	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
24		C126	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
26		C127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
28		C128	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
29	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
30		C130	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
31	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
32		C131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
33	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
34		C133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
36		C134	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
38		C135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
40		C136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
42		C137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
43	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
44		C138	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
45	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
46		C140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
47	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
48		C141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
50		C142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
51	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
52		C143	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
53		C144	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
54		C145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
55	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
56		C146	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
57	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
58		C147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
59	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
60		C148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
61	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
62		C149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
63	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
64		C150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
65	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
66		C151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
67	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
68		C152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
69	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
70		C153	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
71	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
72		C154	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
73	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
74		C155	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
75	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
76		C156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
77	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
78		C157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
79	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
80		C158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
81	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
82		C171	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
83		C172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
84	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
85		C174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
86	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
87		C175	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
88		C177	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
89		C179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
90	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
91		C180	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
92		C181	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
93		C184	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
94		C186	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
95	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
96		C187	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
97	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
98		C188	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
99		C189	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
100	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
101		C190	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
102		C191	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
103	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
104		C192	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
105		C194	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
106		C196	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
107	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
108		C197	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
109	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
110		C23	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
111	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
112		C24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
113	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
114		C25	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
115	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
116		C26	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
117	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
118		C27	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
119	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
120		C28	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
121	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
122		C29	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
123	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
124		C30	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
125		C31	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
126	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
127		C32	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
128	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
129		C33	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
130	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
131		C34	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
132	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
133		C35	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
134	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
135		C357	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
136	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
137		C358	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
138	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
139		C359	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
140	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
141		C36	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
142	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
143		C360	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
144	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
145		C361	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
146	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
147		C362	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
148	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
149		C363	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
150	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
151		C367	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
152	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
153		C368	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
154		C369	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
155	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
156		C37	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
157		C370	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
158		C371	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
159	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
160		C372	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
161	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
162		C373	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
163		C374	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
164		C376	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
165	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
166		C377	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
167		C378	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
168	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
169		C379	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
170		C38	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
171		C380	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
172	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
173		C381	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
174		C39	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
175		C42	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
176	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
177		C43	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
178	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
179		C44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
180	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
181		C45	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
182	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
183		C46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
185		C47	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
186	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
187		C48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
188	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
189		C49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
190	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
191		C50	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
192	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
193		C51	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
194	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
195		C52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
196	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
197		C53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
198	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
199		C54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
200	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
201		C55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
202	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
203		C56	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
204	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
205		C57	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
206		C58	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
207	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
208		C59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
209	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
210		C60	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
211	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
212		C61	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
213	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
214		C62	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
215	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
216		C63	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
217	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
218		C64	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
219	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
220		C65	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
221	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
222		C66	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
223	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
224		C67	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
225	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
226		C68	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
227	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
228		C69	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
229	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
230		C70	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
231	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
232		C71	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
233	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
234		C72	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
235	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
236		C73	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
237	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
238		C74	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
239	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
240		C75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
241	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
242		C76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
243	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
244		C77	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
245	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
246		C78	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
247	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
248		C79	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
249	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
250		C80	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
251	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
252		C81	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
253	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
254		C84	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
255	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
256		C85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
257	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
258		C86	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
259	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
260		C87	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
261	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
262		C88	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
263	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
264		C89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
265	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
266		C90	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
267	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
268		C91	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
269	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
270		C92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
271	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
272		C93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
273	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
274		C94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
275	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
276		C95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
277	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
278		C96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
279	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
280		C97	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
281	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
282		C98	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
283	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
284		C99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
285	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
286		DC100	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
287	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
288		DC101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
289	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
290		DC102	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
291	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
292		DC103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
293	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
294		DC104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
295	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
296		DC105	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
297	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
298		DC106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
299	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
300		DC107	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
301	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
302		DC108	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
303	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
304		DC109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
305	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
306		DC110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
307	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
308		DC112	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
309	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
310		DC114	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
311	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
312		DC115	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
313	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
314		DC116	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
315	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
316		DC117	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
317	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
318		DC118	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
319	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
320		DC119	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
321	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
322		DC121	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
323	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
324		DC122	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
325	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
326		DC123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
327	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
328		DC124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
329	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
330		DC126	0111-3100-5107	C/M Multi. 10PF 50V NPO J 0402	1
331	SS		0112-3100-5107	C/M Multi. 10PF 50V NPO 0402	
332		DC127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
333	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
334		DC130	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
335	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
336		DC131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
337	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
338		DC132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
339	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
340		DC133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
341	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
342		DC135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
343	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
344		DC136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
345	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
346		DC137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
347	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
348		DC142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
349	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
350		DC143	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
351	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
352		DC144	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
353	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
354		DC145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
355	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
356		DC146	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
357	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
358		DC147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
359	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
360		DC148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
361	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
362		DC149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
363	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
364		DC150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
365	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
366		DC151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
367	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
368		DC152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
369	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
370		DC153	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
371	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
372		DC154	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
373	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
374		DC155	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
375	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
376		DC156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
377	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
378		DC157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
379	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
380		DC158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
381	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
382		DC159	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
383	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
384		DC160	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
385	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
386		DC161	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
387	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
388		DC162	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
389	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
390		DC163	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
391	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
392		DC164	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
393	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
394		DC165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
395	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
396		DC166	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
397	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
398		DC167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
399	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
400		DC168	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
401	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
402		DC169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
403	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
404		DC173	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
405	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
406		DC174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
407	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
408		DC175	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
409	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
410		DC176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
411	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
412		DC177	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
413	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
414		DC178	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
415	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
416		DC181	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
417	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
418		DC2	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
419	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
420		DC22	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
421		DC3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
422	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
423		DC30	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
424	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
425		DC34	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
426	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
427		DC37	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
428	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
429		DC38	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
430	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
431		DC39	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
432	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
433		DC40	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
434	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
435		DC41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
436	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
437		DC42	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
438	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
439		DC43	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
440	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
441		DC44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
442	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
443		DC45	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
444	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
445		DC46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
446	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
447		DC47	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
448	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
449		DC49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
450	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
451		DC50	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
452	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
453		DC51	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
454	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
455		DC52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
456	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
457		DC53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
458	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
459		DC54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
460	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
461		DC55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
462	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
463		DC56	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
464	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
465		DC57	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
466	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
467		DC58	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
468	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
469		DC6	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
470	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
471		DC61	0111-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	1
472	SS		0112-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	
473		DC62	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
474		DC63	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
475		DC66	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
476	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
477		DC67	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
478	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
479		DC68	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
480	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
481		DC69	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
482	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
483		DC70	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
484	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
485		DC71	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
486	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
487		DC72	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
488	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
489		DC73	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
490	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
491		DC74	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
492	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
493		DC75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
494	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
495		DC76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
496	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
497		DC77	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
498	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
499		DC81	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
500	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
501		DC82	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
502	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
503		DC83	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
504	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
505		DC84	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
506	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
507		DC85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
508	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
509		DC86	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
510	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
511		DC87	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
512	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
513		DC88	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
514		DC89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
515	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
516		DC90	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
517	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
518		DC91	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
519	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
520		DC92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
521	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
522		DC93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
523	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
524		DC94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
525	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
526		DC95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
527	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
528		DC96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
529	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
530		DC98	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
531	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
532		DC99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
533	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
534		DFB7	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
535		DFB9	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
536		DRP17	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
537		DRP18	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
538		DRP22	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
539		DRP23	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
540		DRP7	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
541		DR101	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
542		DR102	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
543		DR103	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
544		DR104	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
545		DR107	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
546		DR121	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
547		DR122	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
548		DR132	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
549		DR133	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
550		DR135	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
551		DR138	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
552		DR139	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
553		DR140	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
554		DR141	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
555		DR142	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
556		DR143	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
557		DR56	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
558		DR58	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
559		DR95	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
560		DR97	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
561		DR98	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
562		FB39	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
563		FB40	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
564		FB41	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
565		FB42	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
566		FB43	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
567		FB44	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
568		FB45	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
569		FB46	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
570		FB47	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
571		FB48	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
572		FB49	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
573		FB5	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
574		FB50	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
575		FB52	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
576		FB53	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
577		FB54	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
578		FB55	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
579		FB56	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
580		FB57	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
581		FB8	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
582		R123	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
583		R44	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
584		R446	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
585		R45	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
586		R54	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
587		R55	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
588		R56	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
589		R59	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
590		R69	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
591		R76	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
592		R82	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
593		R87	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
594		R88	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
595		R89	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
596		R90	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
597		R91	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
598		R92	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
599		R93	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
600		R96	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
601		R98	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
602		R99	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
603			0171-2272-2133	PCB MAIN BD FR4 380*168*1.6t 4M (L42 HDTV10A)	1
604		C1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
605	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
606		C10	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
607	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
608		C106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
609	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
610		C107	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
611	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
612		C108	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
613	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
614		C109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
615	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
616		C11	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
617	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
618		C110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
619	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
620		C111	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
621	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
622		C112	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
623	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
624		C114	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
625		C115	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
626		C116	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
627		C117	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
628		C118	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
629		C119	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
630		C12	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
631	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
632		C120	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
633		C129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
634	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
635		C13	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
636	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
637		C132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
638	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

## 342000120150T MAIN BD ASS'Y L42 HDTV10A SMD TOP

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
2	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
3		C15	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
4	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
5		C159	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
7		C16	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
8	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
9		C163	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
11		C164	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
12	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
13		C165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
14	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
15		C166	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
16		C167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
18		C168	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
19		C169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
20	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
21		C17	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
22	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
23		C170	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
24		C173	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
25	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
26		C176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
28		C178	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
29	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
30		C18	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
31	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
32		C182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
33	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
34		C183	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
36		C185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
38		C19	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
40		C193	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
42		C195	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
43	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
44		C198	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
45	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
46		C199	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
47	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
48		C2	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
50		C20	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
51	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
52		C204	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
53	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
54		C205	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
55	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
56		C209	0111-3189-5107	C/M MULTI 1.8PF 50V NPO 0402	1
57		C21	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
58	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
59		C213	0130-2203-1654	RES. CF 220Kohm 1/16W J 0402	1
60		C215	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
61	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
62		C216	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
63	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
64		C217	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
65	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
66		C218	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
67	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
68		C219	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
69	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
70		C22	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
71	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
72		C220	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
73	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
74		C221	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
75	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
76		C232	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
77	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
78		C233	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
79	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
80		C234	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
81	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
82		C239	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
83	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
84		C240	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
85	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
86		C241	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
87	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
88		C242	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
89	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
90		C244	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
91	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
92		C245	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
93	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
94		C246	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
95	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
96		C248	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
97	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
98		C249	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
99	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
100		C250	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
101	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
102		C253	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
103	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
104		C254	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
105	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
106		C255	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
107	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
108		C256	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
109	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
110		C257	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
111	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
112		C258	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
113	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
114		C259	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
115	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
116		C260	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
117	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
118		C261	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
119	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
120		C262	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
121	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
122		C265	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
123		C266	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
124		C268	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
125	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
126		C269	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
127	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
128		C271	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
129	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
130		C272	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
131	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
132		C273	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
133	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
134		C274	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
135	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
136		C275	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
137	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
138		C276	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
139	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
140		C277	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
141	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
142		C278	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
143	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
144		C279	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
145	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
146		C280	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
147	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
148		C283	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
149	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
150		C284	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
151	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
152		C285	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
153	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
154		C286	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
155	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
156		C287	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
157	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
158		C288	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
159	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
160		C290	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
161	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
162		C292	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
163	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
164		C293	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
165		C294	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
166	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
167		C296	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
168	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
169		C297	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
170	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
171		C299	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
172	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
173		C3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
174	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
175		C300	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
176	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
177		C301	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
178	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
179		C302	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
180	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
181		C303	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
182	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
183		C304	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
185		C305	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
186	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
187		C306	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
188	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
189		C307	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
190	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
191		C308	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
192	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
193		C309	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
194	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
195		C310	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
196	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
197		C311	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
198	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
199		C312	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
200		C313	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
201	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
202		C314	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
203		C316	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
204		C317	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
205		C318	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
206		C319	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
207	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
208		C320	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
209		C323	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
210	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
211		C325	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
212		C326	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
213		C330	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
214	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
215		C332	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
216	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
217		C336	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
218	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
219		C341	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
220	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
221		C347	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
222	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
223		C348	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
224	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
225		C349	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
226	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
227		C350	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
228	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
229		C355	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
230	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
231		C356	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
232	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
233		C364	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
234	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
235		C365	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
236	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
237		C366	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
238	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
239		C375	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
240	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
241		C382	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
242	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
243		C40	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
244		C41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
245	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
246		C5	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
247	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
248		C6	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
249	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
250		C7	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
251	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
252		C8	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
253	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
254		C82	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
255	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
256		C83	0111-3270-5107	C/M MULTI 27PF 50V NPO 0402	1
257	SS		0112-3270-5107	C/M Multi. 27PF 50V NPO 5% 0402	
258		C9	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
259	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
260		DC1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
261	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
262		DC10	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
263	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
264		DC11	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
265	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
266		DC111	0111-3100-5107	C/M Multi. 10PF 50V NPO J 0402	1
267	SS		0112-3100-5107	C/M Multi. 10PF 50V NPO 0402	
268		DC113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
269	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
270		DC120	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
271	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
272		DC128	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
273	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
274		DC129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
275	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
276		DC134	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
277	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
278		DC138	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
279	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
280		DC139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
281	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
282		DC14	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
283	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
284		DC140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
285	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
286		DC141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
287	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
288		DC15	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
289	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
290		DC16	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
291	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
292		DC170	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
293	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
294		DC171	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
295	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
296		DC172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
297	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
298		DC179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
299	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
300		DC180	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
301	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
302		DC182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
303	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
304		DC183	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
305	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
306		DC184	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
307		DC185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
308	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
309		DC186	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
310		DC19	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
311	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
312		DC20	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
313	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
314		DC21	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
315		DC23	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
316	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
317		DC24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
318	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
319		DC25	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
320	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
321		DC26	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
322	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
323		DC27	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
324	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
325		DC29	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
326	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
327		DC31	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
328	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
329		DC32	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
330	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
331		DC33	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
332	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
333		DC35	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
334	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
335		DC36	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
336	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
337		DC4	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
338	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
339		DC48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
340	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
341		DC5	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
342	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
343		DC59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
344	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
345		DC7	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
346	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
347		DC78	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
348	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
349		DC79	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
350	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
351		DC8	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
352	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
353		DC80	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
354	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
355		DC9	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
356	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
357		DC97	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
358	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
359		DD1	0390-6005-5293	SCHOTTKY DIODE 3A 40V B340A-13-F SMA L-F	1
360		DD2	0390-6005-5293	SCHOTTKY DIODE 3A 40V B340A-13-F SMA L-F	1
361		DFB1	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
362		DFB10	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
363		DFB2	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
364		DFB3	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
365		DFB4	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
366		DFB5	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
367		DFB6	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
368		DFB8	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
369		DL10	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
370		DL12	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
371		DL13	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
372		DL14	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
373		DL15	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
374		DL2	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
375		DL3	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
376		DL4	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
377		DL5	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
378		DL6	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
379		DL9	0130-1808-1858	RES. CF 1.8ohm 1/8W J 0805	1
380		DPR1	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
381		DRN25	0141-1001-3851	ARRAY RES. A(X) 1Kohm 4R J 8P	1
382		DRP10	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
383		DRP11	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
384		DRP12	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
385		DRP13	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
386		DRP14	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
387		DRP15	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
388		DRP16	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
389		DRP19	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
390		DRP2	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
391		DRP20	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
392		DRP21	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
393		DRP24	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
394		DRP25	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
395		DRP26	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
396		DRP27	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
397		DRP3	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
398		DRP4	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
399		DRP5	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
400		DRP6	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
401		DRP8	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
402		DRP9	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
403		DR1	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
404		DR10	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
405		DR100	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
406		DR106	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
407		DR11	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
408		DR110	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
409		DR111	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
410		DR112	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
411		DR113	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
412		DR114	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
413		DR115	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
414		DR116	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
415		DR117	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
416		DR118	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
417		DR119	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
418		DR12	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
419		DR120	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
420		DR123	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
421		DR124	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
422		DR125	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
423		DR126	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
424		DR127	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
425		DR128	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
426		DR129	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
427		DR13	0130-1801-1654	RES. CF 1.8Kohm 1/16W J 0402	1
428		DR130	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
429		DR131	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
430		DR134	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
431		DR137	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
432		DR14	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
433		DR144	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
434		DR145	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
435		DR146	0131-6341-1614	RES. MF 6.34 Kohm 1/16W F 0402	1
436		DR147	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
437		DR15	0130-1201-1654	RES. CF 1.2Kohm 1/16W J 0402	1
438		DR16	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
439		DR18	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
440		DR21	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
441		DR23	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
442		DR24	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
443		DR25	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
444		DR27	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
445		DR28	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
446		DR31	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
447		DR32	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
448		DR33	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
449		DR35	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
450		DR36	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
451		DR37	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
452		DR38	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
453		DR39	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
454		DR4	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
455		DR40	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
456		DR41	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
457		DR42	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
458		DR43	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
459		DR44	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
460		DR5	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
461		DR52	0130-8201-1654	RES. CF 8.2Kohm 1/16W J 0402	1
462		DR53	0130-5109-1654	RES. CF 51ohm 1/16W J 0402	1
463		DR55	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
464		DR57	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
465		DR59	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
466		DR6	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
467		DR60	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
468		DR61	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
469		DR7	0130-1801-1654	RES. CF 1.8Kohm 1/16W J 0402	1
470		DR8	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
471		DR9	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
472		DR99	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
473		DU14	0430-3039-4645	IC MX29LV320CTTC-70G 48PIN TSOP LF	1
474		DU14X	0991-2002-8400	SOFTWARE L42 HDTV10A CPU:L42 HDTV10AMD00.bin	1
475		DU15	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
476		DU16	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
477		DU17	0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	1
478		DU18	0430-6015-8079	IC DC/DC CONVERTER AP1522WA SOT23-5 5PIN LF	1
479		DU2	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
480	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	
481		DU3	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
482		DU4	0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	1
483		DU5	0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	1
484		DU6	0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	1
485		DU7	0430-7043-5092	IC SWITCH PI5C3257QE QSOP 16PIN LF	1
486	SS		0430-3039-9046	IC ADG3257BRQZ-REEL7 16PIN QSOP LF	
487		DU8	0430-7043-1999	IC DEMODULATOR MT5112BD LQFP 100PIN LF	1
488		DU9	0430-7035-1999	IC MT5351AG 471PIN BGA LF	1
489		DX1	0286-2700-0024	OSC 27MHz 25ppm 3.3V SMD VCXO	1
490		D1	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
491	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
492	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
493		D10	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
494	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
495	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
496		D11	0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	1
497	SS		0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	
498		D12	0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	1
499	SS		0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	
500		D13	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
501	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
502	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
503		D14	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
504	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
505	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
506		D15	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
507	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
508	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
509		D16	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
510	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
511	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
512		D17	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
513	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
514	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
515		D18	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
516	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
517	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
518		D2	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
519	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
520	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
521		D3	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
522	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
523	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
524		D4	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
525	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
526	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
527		D5	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
528	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
529	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
530		D6	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
531	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
532	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
533		D9	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
534	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
535	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
536		FB1	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
537		FB10	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
538		FB11	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
539		FB12	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
540		FB13	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
541		FB14	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
542		FB15	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
543		FB16	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
544		FB17	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
545		FB19	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
546		FB22	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
547		FB23	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
548		FB24	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
549		FB25	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
550		FB26	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
551		FB27	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
552		FB28	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
553		FB29	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
554		FB3	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
555		FB30	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
556		FB31	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
557		FB32	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
558		FB33	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
559		FB34	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
560		FB37	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
561		FB4	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
562		FB51	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
563		FB58	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
564		FB59	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
565		FB6	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
566		FB60	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
567		FB9	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
568		F1	0185-1502-0073	FUSE 125V/5A SMD (R45105) L-F	1
569		F2	0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	1
570		J5	0302-2000-2306	CONN MALE R/A 30P SMD (MS240430G) L-F	1
571		LG13	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
572		LG14	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
573		LG15	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
574		LG16	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
575		L10	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
576		L11	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
577		L12	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
578		L13	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
579		L14	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
580		L15	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
581		L16	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
582		L17	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
583		L18	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
584		L19	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
585		L20	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
586		L21	0130-4700-0055	RES. CF 470ohm 1/10W J 0603	1
587		L22	0130-4700-0055	RES. CF 470ohm 1/10W J 0603	1
588		L23	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
589		L24	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
590		L7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
591		L8	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
592		L9	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
593		P10	0304-1000-0113	CONN HDMI 19P 90' SMD With Flange (392M19-H58) L-F	1
594		P11	0304-1000-0113	CONN HDMI 19P 90' SMD With Flange (392M19-H58) L-F	1
595		Q1	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
596	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
597	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
598		Q10	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
599	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
600	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
601		Q11	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
602	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
603	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
604		Q12	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
605	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
606	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
607		Q13	0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	1
608	SS		0420-1004-9610	MOSFET N-CH 2N7002LT1G 60V 115mA SMD (SOT-23) LF	
609	SS		0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	
610		Q14	0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	1
611	SS		0420-1004-9610	MOSFET N-CH 2N7002LT1G 60V 115mA SMD (SOT-23) LF	
612	SS		0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	
613		Q15	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
614	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
615	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
616		Q16	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
617	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
618	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
619		Q18	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
620	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
621	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
622		Q19	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
623	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
624	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
625		Q20	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
626	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
627	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
628		Q21	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
629	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
630	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
631		Q22	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
632	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
633		Q23	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
634	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
635	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
636		Q24	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
637	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
638	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
639		Q25	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
640	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
641	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
642		Q27	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
643	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
644	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
645		Q28	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
646	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
647	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
648		Q29	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
649	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
650	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
651		Q3	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
652	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
653	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
654		Q31	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
655	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
656	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
657		Q32	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
658	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
659	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
660		Q33	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
661	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
662	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
663		Q4	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
664	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
665	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
666		Q5	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
667	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
668	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
669		Q6	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
670	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
671	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
672		Q7	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
673	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
674	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
675		Q8	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
676	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
677	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
678		Q9	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
679	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
680	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
681		RP1	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
682		RP10	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
683		RP11	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
684		RP12	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
685		RP13	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
686		RP14	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
687		RP15	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
688		RP16	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
689		RP17	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
690		RP18	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
691		RP19	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
692		RP2	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
693		RP20	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
694		RP21	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
695		RP22	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
696		RP23	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
697		RP24	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
698		RP25	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
699		RP26	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
700		RP27	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
701		RP28	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
702		RP29	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
703		RP3	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
704		RP30	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
705		RP31	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
706		RP35	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
707		RP36	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
708		RP37	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
709		RP38	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
710		RP39	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
711		RP4	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
712		RP40	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
713		RP41	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
714		RP5	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
715		RP6	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
716		RP7	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
717		RP8	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
718		RP9	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
719		R1	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
720		R10	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
721		R100	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
722		R101	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
723		R104	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
724		R105	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
725		R106	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
726		R107	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
727		R108	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
728		R109	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
729		R11	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
730		R110	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
731		R111	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
732		R112	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
733		R113	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
734		R114	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
735		R115	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
736		R116	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
737		R117	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
738		R118	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
739		R119	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
740		R12	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
741		R120	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
742		R127	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
743		R128	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
744		R129	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
745		R13	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
746		R130	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
747		R131	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
748		R132	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
749		R136	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
750		R137	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
751		R138	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
752		R139	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
753		R140	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
754		R141	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
755		R142	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
756		R143	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
757		R146	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
758		R147	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
759		R148	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
760		R15	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
761		R158	0130-8201-1654	RES. CF 8.2Kohm 1/16W J 0402	1
762		R16	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
763		R163	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
764		R164	0130-3902-1654	RES. CF 39 Kohm 1/16W J 0402	1
765		R165	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
766		R166	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1
767		R167	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
768		R168	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
769		R169	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
770		R17	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
771		R171	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1
772		R172	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
773		R173	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
774		R174	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
775		R175	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
776		R176	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
777		R177	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
778		R178	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
779		R18	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
780		R182	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
781		R183	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
782		R184	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
783		R185	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
784		R186	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
785		R187	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
786		R188	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
787		R189	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
788		R190	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
789		R191	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
790		R192	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
791		R193	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
792		R194	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
793		R195	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
794		R196	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
795		R199	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
796		R2	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
797		R20	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
798		R200	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
799		R201	0130-5101-1654	RES. CF 5.1Kohm 1/16W J 0402	1
800		R202	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
801		R203	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
802		R204	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
803		R205	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
804		R206	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
805		R207	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
806		R208	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
807		R209	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
808		R21	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
809		R210	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
810		R211	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
811		R213	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
812		R214	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
813		R215	0130-5101-1654	RES. CF 5.1Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
814		R216	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
815		R217	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
816		R218	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
817		R219	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
818		R220	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
819		R221	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
820		R222	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
821		R223	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
822		R224	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
823		R225	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
824		R226	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
825		R227	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
826		R228	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
827		R229	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
828		R23	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
829		R230	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
830		R231	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
831		R232	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
832		R233	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
833		R234	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
834		R235	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
835		R236	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
836		R237	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
837		R238	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
838		R239	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
839		R24	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
840		R240	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
841		R241	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
842		R242	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
843		R243	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
844		R244	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
845		R245	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
846		R246	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
847		R247	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
848		R248	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
849		R249	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
850		R25	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
851		R250	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
852		R251	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
853		R252	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
854		R253	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
855		R254	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
856		R255	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
857		R256	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
858		R257	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
859		R258	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
860		R259	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
861		R26	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
862		R260	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
863		R261	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
864		R262	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
865		R263	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
866		R264	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
867		R265	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
868		R266	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
869		R267	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
870		R268	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
871		R269	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
872		R27	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
873		R270	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
874		R271	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
875		R272	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
876		R273	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
877		R274	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
878		R275	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
879		R276	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
880		R277	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1
881		R278	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
882		R279	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
883		R28	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
884		R280	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1
885		R281	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
886		R282	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
887		R283	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
888		R284	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
889		R285	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
890		R286	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
891		R287	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
892		R288	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
893		R289	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
894		R29	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
895		R290	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
896		R291	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
897		R292	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
898		R293	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
899		R294	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
900		R295	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
901		R296	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
902		R297	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
903		R298	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
904		R299	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
905		R3	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
906		R30	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
907		R300	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
908		R301	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
909		R302	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
910		R303	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
911		R304	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
912		R305	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
913		R306	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
914		R307	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
915		R309	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
916		R31	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
917		R310	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
918		R313	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
919		R314	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
920		R315	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
921		R316	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
922		R319	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
923		R321	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
924		R323	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
925		R324	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
926		R328	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
927		R329	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
928		R33	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
929		R332	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
930		R334	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
931		R338	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
932		R34	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
933		R340	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
934		R350	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
935		R352	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
936		R354	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
937		R355	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
938		R357	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
939		R358	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
940		R36	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
941		R360	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
942		R361	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
943		R362	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
944		R363	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
945		R364	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
946		R365	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
947		R366	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
948		R368	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
949		R369	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
950		R370	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
951		R373	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
952		R374	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
953		R375	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
954		R376	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
955		R378	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
956		R38	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
957		R380	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
958		R381	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
959		R383	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
960		R386	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
961		R387	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
962		R388	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
963		R389	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
964		R390	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
965		R391	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
966		R392	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
967		R393	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
968		R394	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
969		R395	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
970		R396	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
971		R397	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
972		R398	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
973		R40	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
974		R408	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
975		R410	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
976		R411	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
977		R412	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
978		R413	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
979		R414	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
980		R415	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
981		R416	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
982		R417	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
983		R419	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
984		R42	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
985		R421	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
986		R423	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
987		R424	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
988		R426	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
989		R427	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
990		R428	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
991		R429	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
992		R43	0130-8200-1654	RES. CF 820ohm 1/16W J 0402	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
993		R432	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
994		R433	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
995		R434	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
996		R443	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
997		R444	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
998		R445	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
999		R447	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1000		R448	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1001		R46	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
1002		R47	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
1003		R48	0130-8203-1654	RES. CF 820Kohm 1/16W J 0402	1
1004		R49	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1005		R5	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1006		R50	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1007		R51	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1008		R52	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1009		R53	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1010		R57	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1011		R58	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1012		R6	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1013		R60	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1014		R61	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1015		R62	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1016		R63	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1017		R64	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1018		R65	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1019		R66	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1020		R67	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1021		R68	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1022		R70	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1023		R71	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1024		R72	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1025		R73	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1026		R74	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1027		R75	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1028		R77	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1029		R78	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1030		R79	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1031		R8	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1032		R80	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1033		R81	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1034		R83	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1035		R85	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1036		R86	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1037		R9	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1038		R94	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1039		R95	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1040		R97	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1041		U1	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
1042		U10	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1043	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	
1044		U11	0430-7042-8999	IC SCALER MT8202AG/BD-L BGA 388PIN LF	1
1045		U12	0430-3039-3645	IC MX29LV160CTTC-70G 48PIN TSOP LF	1
1046		U12X	0991-2002-8300	SOFTWARE L42 HDTV10A CPU:L42 HDTV10AMM00.bin	1
1047		U13	0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	1
1048		U14	0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	1
1049		U15	0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	1
1050		U16	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1051		U17	0430-3006-9011	IC AT24C04N-10SU-2.7 SO-8 L-F	1
1052		U19	0430-7041-6999	IC HDMI CINEMA RECEIVER MT8293AE-L 128Pin QFP LF	1
1053		U2	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
1054		U20	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1055		U21	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
1056		U22	0430-0001-8015	IC CD4052BNSR 16PIN SOP16 L-F	1
1057		U23	0430-7027-3699	IC WM8776SEFT 48PIN TQFP L-F	1
1058		U27	0430-6015-6099	IC RESET STL8110GCL438 4.38V SOT-23 3PIN LF	1
1059		U28	0430-3004-3011	IC AT24C16AN-10SU-2.7 SO-8 L-F	1
1060		U29	0430-0001-8015	IC CD4052BNSR 16PIN SOP16 L-F	1
1061		U3	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
1062		U30	0430-1010-8615	IC TTL LOGIC CD74HC157M96 SOIC 16PIN LF	1
1063		U31	0430-7041-7607	IC HDMI STHDMI001A 48PIN TSSOP LF	1
1064		U32	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1065		U33	0430-7043-5092	IC SWITCH PI5C3257QE QSOP 16PIN LF	1
1066	SS		0430-3039-9046	IC ADG3257BRQZ-REEL7 16PIN QSOP LF	1
1067		U34	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1068		U4	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1069	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1070		U5	0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	1
1071		U6	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1072	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1073		U7	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1074	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	1
1075		U8	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1076	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1077		U9	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1078	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	1
1079		ZD1	0400-0601-5012	ZENER 6.06~6.33V UDZSTE-176.2BB 1/5W SOD-323	1
1080		ZD2	0400-0941-2012	ZENER RLZ-10B 9.41~9.90V 1/2W LL-34 L-F	1

## Chapter 12-2 Complete Parts List

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### 2642-8500-2053 LCD TV Monitor 42" GV42L HDTV (LG)(ABS)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			3642-0012-0334	BASE ASS'Y GV42L HDTV	1
2			3642-0022-0312	PACKING ASS'Y GV42L HDTV	1
3			3642-0022-0331	PANEL ASS'Y GV42L HDTV (LG)(ABS, BLACK)	1

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**3642-0012-0334 BASE ASS'Y GV42L HDTV**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0523-3010	BASE (GV42L HDTV)(ABS)	1
2			1701-1000-0180	BASE FOOT ( φ 18.0*2.0t, PORON )	10
3			1712-0101-0010	BASE PLATE (GV42L HDTV)(SECC,T=2.0mm)	1
4			1712-1200-0301	STAND FOOT (GV42L HDTV)(DIE Casting)	1
5			1712-1200-0310	STAND HEAD (GV42L HDTV)(DIE Casting)	1
6			1720-8004-1050	MAC. SCREW, Fate Head Hexagon Bit, M4.0*10.0L, BLK	12
7			1721-3004-0820	TAP.SCREW-TR #4.0*8.0L,Ni	6

**3642-0022-0312 PACKING ASS'Y GV42L HDTV**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0523-4010	BASE COVER (GV42L HDTV)(ABS)	1
2			1701-0800-2030	REAR PLATE_L VIZIO(GV42L HDTV)	1
3			1701-0800-2040	REAR PLATE_R VIZIO(GV42L HDTV)	1
4			1701-1500-1430	CABLE CLIP (GV42L HDTV)	1
5			1925-1000-3330	CUSHION TOP_RIGHT (GV42L HDTV)	1
6			1925-1000-3340	CUSHION TOP_LEFT (GV42L HDTV)	1
7			1925-1000-3350	CUSHION BOTTOM_RIGHT (GV42L HDTV)	1
8			1925-1000-3360	CUSHION BOTTOM_LEFT (GV42L HDTV)	1
9			1925-1000-3450	EPE FOAM (GV42L HDTV)(190.0*170.0*60.0t)	1
10			1925-1100-2080	PE BAG (PD-42L)(1280*1200*0.5)	1
11			1925-1200-8920	CARTON TRAY (GV42L HDTV)	1
12			1925-1200-9000	CARTON VIZIO(GV42L HDTV)	1
13			1925-1900-0630	CARTON JOINT(GV46L)	4
14			1936-1100-8620	B/C LBL VIZIO(GV42L HDTV)	1
15			1936-1300-1550	SERIAL NO.LBL byd:sign	1
16			1947-1200-1560	FILAMENT TAPE (TIBON 25wide)	0.72
17			1947-1200-2580	BLUE TAPE (18*50mm)(KLV-20SP2)	0.11
18			3642-0022-0393	ACCESSORY ASS'Y GV42L HDTV	1

### 3642-0022-0331 PANEL ASS'Y GV42L HDTV (LG)(ABS, BLACK)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0211-0420-0661	LCD MODULE 42.0" TFT LC420W02-SLA1 (LG.PHILIPS)	1
2			0260-0000-0330	AC INLET +VHR5P 1617#22 290mm 1015#18 50mm	1
3			0460-1008-0450	WH A2001H02-8P-A2001H02-4P+5P 2464#26 1050mm	1
4			0460-1104-0091	WH A2501H02-4P/A2501H02-2P+2P 1007#26 560/190 rev1	1
5			0460-3430-0910	WH FI-X30C2EL/P240430 20276 370mm+CORE+GND	1
6			0460-4013-0120	WH A2543H0-13-A2001H02-12P 1007#24 690mm	2
7			0460-4015-0030	WH A2543H15P-A2001H02-14P 1007#24 265mm	1
8			0500-0507-0201	POWER BD ASS'Y DPS-283AP A L-F	1
9			0950-0000-0010	License: Dolby-AC3 Two-Channel Dolby Digital Deco	1
10			0950-0000-0020	License: MPEG-LA Consumer Products	1
11			0950-0000-0030	License: HDMI	1
12			0960-0000-0040	SOFTWARE MTK HDCP KEY CODE (Taiwan)	1
13			0980-0700-0030	LED BACKLIGHT 18*50 LYSB-4916W/SY 580mm	1
14			1701-1500-0450	WIRE SADDLE (CH-01P)	1
15			1701-1500-0690	WIRE SADDLE (CH-14)	5
16			1701-1500-1530	SPACE SUPPORT (PINGOOD, SCT-18)	1
17			1701-1931-0030	AL PLATE SUPPORT (GV42L HDTV)(ABS HB)	1
18			1712-0100-4590	HEAT SINK FIX MTEAL (TM-30A)	1
19			1712-0101-0020	PANEL HOLDER R (GV42L HDTV)(SECC,T=1.0mm)	1
20			1712-0101-0030	PANEL HOLDER T (GV42L HDTV)(SECC,T=1.0mm)	1
21			1712-0101-0040	REAR BRACKET R (GV42L HDTV)(SECC,T=2.0mm)	1
22			1712-0101-0050	REAR BRACKET L (GV42L HDTV)(SECC,T=2.0mm)	1
23			1712-0101-0060	WALL MOUNT SUPPORT (GV42L HDTV)(SECC,T=2.0mm)	2
24			1712-0101-0090	PCB SUPPORT TOP (GV42L HDTV)(SECC,T=1.0mm)	1
25			1712-0101-0100	TERMINAL BRACKET (GV42L HDTV)(SECC,T=1.0mm)	1
26			1712-0101-0110	M/B SHIELD (GV42L HDTV)(SECC,T=0.8mm)	1
27			1712-0101-0120	STIFFENER (GV42L HDTV)(SECC,T=2.0mm)	1
28			1712-0101-0240	PANEL HOLDER_L (GV42L HDTV)(SECC T=1.0mm)	1
29			1712-0101-0250	PANEL HOLDER_B (GV42L HDTV)(SECC T=1.0mm)	1
30			1712-0101-0300	CHASSIS (GV42L HDTV)(SECC T=1.0mm)	1
31			1712-0200-0460	POWER SHIELD (GV42L HDTV)(SGCC,T=0.5mm,BLK)	1
32			1712-0300-1530	AL PLATE (GV42L HDTV)	1
33			1712-0400-1890	HEAT SINK (GV42L HDTV)	1
34			1720-0003-0420	MAC.SCREW-MB M3.0*4.0L,Ni	22
35			1720-0003-0650	MAC. SCREW-MB M3.0*6.0L,BLK-Ni	43
36			1720-0004-0820	MAC. SCREW-MB M4.0*8.0L,Ni	28
37			1720-1204-0820	MAC. SCREW-MPGW M4.0*8.0L,Ni	1
38			1720-1504-1020	MAC. SCREW-MPSWF M4-0.7*10.0L,Ni(FW= Φ 10.0mm)	20
39			1720-1504-1550	MAC.SCREW-MPSWF M4.0*15.0L BLK-Ni	11
40			1720-1504-1821	MAC SCREW-MPSFW M4.0*18.0L Ni, WASHER DIA.10MM	8
41			1720-3003-0820	MAC.SCREW-MF M3.0*8.0L,NI	2
42			1720-7344-0820	MAC. SCREW-MHSW #4-40*8.0L,Ni	2
43			1721-0003-0650	TAP. SCREW-TB #3.0*6.0L,BLK-Ni	2
44			1721-0003-0820	TAP. SCREW-TB #3.0*8.0L,NI	7

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ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
45			1801-0123-2010	FRONT BEZEL (GV42L HDTV)(ABS) ASS'Y	1
46			1801-0214-2010	REAR COVER (GV42L HDTV)(ABS) ASS'Y	1
47			1947-1200-0310	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 27*75mm	8
48			1947-1200-0400	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 20*45mm	4
49			1947-1200-0460	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 27*90mm	1
50			1947-1200-0820	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 60*45mm	1
51			1947-1200-1500	ACETATE CLOTH TAPE ( 醋酸布膠帶 ) 35*45mm	1
52			1947-1200-3461	INSULATOR FOR KEY BD (GV42L HDTV)(PC)	1
53			1947-1500-2910	AL PLATE STUFFING (GV42L HDTV)	2
54			1947-1700-0130	SHIELDING AL.TAPE (70.0*50.0)	6
55			1947-1700-0260	GASKET BLOCK (10.0*10.5*60.0mm)	3
56			1947-1800-0370	GASKET BLOCK (5.5H*10.0W*30.0Lmm)	1
57			1947-1800-0490	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ	1
58			1947-1800-1040	GASKET BLOCK (17.0W*80.0L*30.0H)	6
59			1947-1800-1050	GASKET BLOCK (10.0W*250.0L*2.0H)	1
60			1947-1900-0030	HEATPATH (25x14mm)	1
61			3642-0012-0146	LCD CONNECTOR BD ASS'Y (GV42L)	2
62			3642-0012-0150	MAIN BD ASS'Y GV42L HDTV (HDCP)	1
63			3642-0012-0156	DISPLAY BD ASS'Y GV42L HDTV	1
64			3642-0022-0189	IR BD ASS'Y GV42L HDTV	1
65			3642-0022-0319	Acoustic LEFT BOXES ASS'Y (GV42L/GV46L HDTV)	1
66			3642-0032-0319	Acoustic RIGHT BOXES ASS'Y (GV42L HDTV)	1

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**3642-0012-0146 LCD CONNECTOR BD ASS'Y (GV42L)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-3870-0132	PCB CONN. BD FR4 27*30*1.6t S (GV42L HDTV)(1:20)	1
2			1712-0500-1630	DIN JACK HOLDER (GV42L HDTV)(SPTE T=0.5mm)	1
3		JS1	0300-3050-0010	DIN 5PIN SOCKET+SHIELD (2DJ-0065PSA2) L-F	1
4		JS2	0451-2500-0243	WAFER 2.50mm 2P 90' KINK (A2501WR2-2P) L-F	1



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**3642-0012-0150 MAIN BD ASS'Y GV42L HDTV (HDCP)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364200120150A	MAIN BD ASS'Y GV42L HDTV AI	1
2			364200120150M	MAIN BD ASS'Y GV42L HDTV MI	1
3			364200120150S	MAIN BD ASS'Y GV42L HDTV SMD	1

**3642-0012-0156 DISPLAY BD ASS'Y GV42L HDTV**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1770-1741	PCB DISPLAY BD FR4 170*20*1.6t S(GV42L HDTV)(1:10)	1
2		JD1	0451-2000-0566	WAFER 2.0mm 5P 90' DIP KINK (M24265R) L-F	1
3	SS		0451-2003-0563	WAFER 2.00mm 5P 90' KINK (A2001WR2-5P) L-F	
4		RD1	0131-1809-0015	RES. MF 18ohm 1/10W F 0603 L-F	1
5		RD10	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
6		RD11	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
7		RD12	0131-4302-0015	RES.MF 43Kohm 1/10W F 0603	1
8		RD2	0131-9090-0015	RES. MF 909ohm 1/10W F 0603	1
9		RD3	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
10		RD4	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
11		RD5	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
12		RD6	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
13		RD7	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
14		RD8	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
15		RD9	0131-3300-0015	RES. MF 330ohm 1/10W F 0603 L-F	1
16		SWD1	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
17		SWD2	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
18		SWD3	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
19		SWD4	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
20		SWD5	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
21		SWD6	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
22		SWD7	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1

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**3642-0022-0189 IR BD ASS'Y GV42L HDTV**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364200220189M	IR BD ASS'Y GV42L HDTV MI	1
2			364200220189S	IR BD ASS'Y GV42L HDTV SMD	1

**3642-0022-0319 Acoustic LEFT BOXES ASS'Y (GV42L/GV46L HDTV)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0321-0200-0020	DIN5P-P2I25402 2464#22 550mm 2C+S	1
2			0335-1008-0090	SPEAKER ASS'Y 8OHM 10W	1
3			1701-0123-6030	SPEAKER FRONT COVER_L (GV42/46)(ABS HB)	1
4			1701-0214-5010	SPEAKER REAR COVER_L (GV42/46)(HIPS)	1
5			1701-1100-0610	Rubber (Wire Seal)(V18)	1
6			1701-1930-9030	WOOFER ISOLATED SHEET (GV42/46)(ABS HB)	1
7			1721-0003-0850	TAP. SCREW-TB #3.0*8.0L,BLK-Ni	1
8			1721-0003-1420	TAP. SCREW-TB #3.0*14.0L,NI	12
9			1721-0004-0850	TAP. SCREW-TB #4.0*8.0L, BLK-NI	4
10			1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)	1
11			1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)	1
12			1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)	2
13			1947-2000-1200	RUBBER SEAL (GV42L/GV46L HDTV)	1

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**3642-0022-0393 ACCESSORY ASS'Y GV42L HDTV**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0320-4000-0142	POWER CORD 110V UL/CSA 1800mm BLK N.M. (VINC)	1
2			0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)	1
3			0602-3000-0020	Battery Zn-Carbon 1.5V AA	2
4			0980-0304-9011	REMOTE CONTROL 66700BA0-B10-R(Orange backlight) LF	1
5			1925-1100-0230	PE BAG 320*230*0.04T	2
6			1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)	1
7			1925-1200-7080	ACCESSARY BOX (330W*230D*50H)	1
8			1925-1300-7080	Brochure VIZIO Series	1
9			1925-1300-7821	MANUAL VIZIO (GV42L HDTV)	1
10			1925-1300-7830	Quick Setup Guide VIZIO(GV42L HDTV)	1
11			1925-1400-2710	Register CARD/VIZIO L15	1
12			1925-2000-0030	Polishing Cloth VIZIO P42 HDTV10A	1

**3642-0032-0319 Acoustic RIGHT BOXES ASS'Y (GV42L HDTV)**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0321-0200-0020	DIN5P-P2I25402 2464#22 550mm 2C+S	1
2			0335-1008-0090	SPEAKER ASS'Y 8OHM 10W	1
3			1701-0123-5030	SPEAKER FRONT COVER_R (GV42/46)(ABS HB)	1
4			1701-0214-4010	SPEAKER REAR COVER_R (GV42/46)(HiPS)	1
5			1701-1100-0610	Rubber (Wire Seal)(V18)	1
6			1701-1930-8030	WOOFER COVER (GV42/46)(ABS HB)	1
7			1701-1930-9030	WOOFER ISOLATED SHEET (GV42/46)(ABS HB)	1
8			1721-0003-0850	TAP. SCREW-TB #3.0*8.0L,BLK-Ni	1
9			1721-0003-1420	TAP. SCREW-TB #3.0*14.0L,NI	12
10			1721-0004-0850	TAP. SCREW-TB #4.0*8.0L, BLK-NI	4
11			1721-0004-1020	TAP. SCREW-TP #4.0*10.0L,NI	4
12			1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)	1
13			1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)	1
14			1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)	2
15			1947-2000-1200	RUBBER SEAL (GV42L/GV46L HDTV)	1

## 364200120150A MAIN BD ASS'Y GV42L HDTV AI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		CE1	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
2		CE11	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
3		CE12	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
4		CE13	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
5		CE14	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
6		CE15	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
7		CE16	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
8		CE17	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
9		CE18	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
10		CE19	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
11		CE20	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
12		CE21	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
13		CE22	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
14		CE23	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
15		CE24	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
16		CE25	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
17		CE26	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
18		CE27	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
19		CE28	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
20		CE29	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
21		CE3	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
22		CE30	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
23		CE31	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
24		CE32	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
25		CE33	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
26		CE34	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
27		CE35	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
28		CE36	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
29		CE37	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
30		CE38	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
31		CE39	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
32		CE4	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
33		CE40	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
34		CE41	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
35		CE42	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
36		CE43	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
37		CE44	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
38		CE45	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
39		CE46	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
40		CE47	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
41		CE48	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
42		CE5	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
43		CE56	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
44		CE57	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
45		CE58	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
46		CE59	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
47		CE6	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
48		CE61	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
49		CE62	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
50		CE63	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
51		CE64	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
52		CE65	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
53		CE66	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
54		CE67	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55		CE68	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
56		CE69	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
57		CE70	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
58		CE71	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
59		CE72	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
60		CE73	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
61		CE74	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
62		CE75	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
63		CE76	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
64		CE77	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
65		CE78	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
66		CE79	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
67		CE8	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
68		CE80	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
69		CE81	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
70		CE82	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
71		CE83	0103-1102-1216	E/C VZ 1000uF 16V 105°C F (10*12.5)	1
72		CE84	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
73		CE87	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
74		CE88	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
75		CE89	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
76		CE9	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
77		CE90	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
78		CE91	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
79		CE92	0103-1220-1211	E/C VT 22uF 16V 105°C F-T (5*11mm)	1
80		CE93	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
81		CE94	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
82		CE95	0103-1101-1211	E/C VZ 100uF 16V 105°C F-T (5*11mm)	1
83		CE96	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
84		DCE1	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
85		DCE10	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
86		DCE11	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
87		DCE12	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
88		DCE13	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
89		DCE14	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
90		DCE15	0103-1471-1211	E/C VZ 470uF 16V 105°C F-T (8*11.5mm)	1
91		DCE17	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
92		DCE18	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
93		DCE19	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
94		DCE2	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
95		DCE20	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
96		DCE21	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
97		DCE22	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
98		DCE23	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
99		DCE24	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
100		DCE25	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
101		DCE26	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
102		DCE27	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
103		DCE3	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
104		DCE4	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
105		DCE5	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
106		DCE6	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
107		DCE7	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
108		DCE8	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
109		DCE9	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1



### 364200120150M MAIN BD ASS'Y GV42L HDTV MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		DL16	0360-1000-0420	POWER INDUCTOR L:10uH 1.44A 5.8x5.2mm SMD LF	1
2		DL7	0361-2022-0030	COIL CHOKE 22UH 2.9A 11*12 DIP TSL1112RA-220K2R9-PF	1
3		DL8	0361-2022-0030	COIL CHOKE 22UH 2.9A 11*12 DIP TSL1112RA-220K2R9-PF	1
4		DP1	0300-6400-0031	OPTO CONN. Transmitter (134-0029-399A) L-F	1
5		DTU1	0980-0103-3060	MODULE TUNER DTVS205CH201A L-F	1
6		DU1	0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	1
7	SS		0430-6011-3204	IC LM7805CT TO-220 3PIN LF	1
8		DY1	0280-2500-0012	X'TAL 25MHZ 49/US 30PPM 20PF LF	1
9		FB36	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
10		J1	0451-1250-0366	WAFER 1.25mm 3P 90' DIP KINK (M24013R) L-F	1
11		J4	0451-2500-0446	WAFER 2.5mm 4P 90' DIP KINK (M241854R) L-F	1
12	SS		0451-2500-0443	WAFER 2.50mm 4P 90' KINK (A2501WR2-4P) L-F	1
13		J6	0451-2000-0866	WAFER 2.0mm 8P 90' DIP KINK (M24268R) L-F	1
14	SS		0451-2003-0863	WAFER 2.00mm 8P 90' KINK (A2001WR2-8P) L-F	1
15		J7	0451-2000-1466	WAFER 2.0mm 14P 90' DIP KINK (M242614R) L-F	1
16	SS		0451-2003-1463	WAFER 2.00mm 14P 90' KINK (A2001WR2-14P) L-F	1
17		L1	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
18		L26	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
19		P12	0300-3041-0090	S-VIDEO 4PIN 90' (2MJ-0602-005) L-F	1
20		P13	0302-9020-0114	RCA JACK 2ROW 2I/O (W-R) L-F	1
21		P2	0302-9060-0022	RCA JACK 2ROW 6I/O (Y-W-R) L-F	1
22		P3	0300-1205-3151	D-SUB FEMALE 90' 15P 3ROW (DV11201-H5R6-4F) L-F	1
23		P4	0302-9060-0020	RCA JACK 2ROW 6I/O (G-B-R)	1
24		P5	0302-9040-0010	RCA JACK 2ROW 4I/O 90' (W-R) L-F	1
25		P6	0302-0350-0012	PHONE JACK 3.5 φ 5P 90' +SHIELD L-F	1
26		P8	0202-6000-0003	RJ11 6P6C Gray UNDER CONTACT L-F	1
27		P9	0302-9020-0114	RCA JACK 2ROW 2I/O (W-R) L-F	1
28		U24	0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	1
29		Y1	0280-2700-0012	X'TAL 27MHZ 49/US 30PPM 20PF 40ohm	1

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**364200120150S MAIN BD ASS'Y GV42L HDTV SMD**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364200120150B	MAIN BD ASS'Y GV42L HDTV SMD BOT	1
2			364200120150T	MAIN BD ASS'Y GV42L HDTV SMD TOP	1

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**364200220189M IR BD ASS'Y GV42L HDTV MI**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		JR1	0451-2000-0466	WAFER 2.0mm 4P 90° DIP KINK (M24264R) L-F	1
2	SS		0451-2003-0463	WAFER 2.00mm 4P 90° KINK (A2001WR2-4P) L-F	
3		UR1	0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	1
4		UR1S	1701-1500-0360	IR HOLDER (TM-15A)	1

**364200220189S IR BD ASS'Y GV42L HDTV SMD**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1671-0501	PCB IR BD FR4 66.5*12*1.6t D (GV42L HDTV)(1:20)	1
2		CR2	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
3	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
4	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
5	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
6		CR3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
7	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
8		LR1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
9		RR1	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
10		RR2	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
11		ZDR1	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1

**364200120150B MAIN BD ASS'Y GV42L HDTV SMD BOT**

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C100	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
2		C101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3		C102	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
4		C103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
5		C104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6		C105	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
7		C113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
8		C121	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
9		C122	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10		C123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
11		C124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
12		C125	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
13		C126	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
14		C127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
15		C128	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
16		C130	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17		C131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
18		C133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
19		C134	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
20		C135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
21		C136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
22		C137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
23		C138	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
24		C140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25		C141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
26		C142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27		C143	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
28		C144	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
29		C145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
30		C146	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
31		C147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
32		C148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
33		C149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
34		C150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35		C151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
36		C152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37		C153	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
38		C154	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39		C155	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
40		C156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41		C157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
42		C158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
43		C171	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
44		C172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
45		C174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
46		C175	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
47		C177	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
48		C179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49		C180	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
50		C181	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
51		C184	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
52		C186	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
53		C187	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
54		C188	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55		C189	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
56		C190	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
57		C191	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
58		C192	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
59		C194	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
60		C196	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
61	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
62		C197	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
63		C23	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
64	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
65		C24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
66		C25	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
67	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
68		C26	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
69	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
70		C263	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
71		C264	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
72		C27	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
73		C28	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
74		C29	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
75		C30	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
76		C31	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
77		C32	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
78	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
79		C33	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
80		C34	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
81		C35	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
82	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
83		C357	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
84		C358	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
85		C359	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
86		C36	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
87		C360	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
88	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
89		C361	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
90		C362	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
91		C363	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
92	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
93		C367	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
94		C368	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
95		C369	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
96		C37	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
97		C370	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
98		C371	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
99		C372	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
100		C373	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
101		C374	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
102		C376	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
103		C377	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
104		C378	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
105		C379	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
106		C38	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
107		C380	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
108		C381	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
109		C39	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
110		C42	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
111	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
112		C43	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
113	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
114		C44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
115		C45	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
116	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
117		C46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
118		C47	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
119	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
120		C48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
121		C49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
122		C50	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
123		C51	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
124	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
125		C52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
126		C53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
127		C54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
128		C55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
129		C56	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
130	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
131		C57	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
132		C58	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
133	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
134		C59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
135		C60	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
136	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
137		C61	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
138		C62	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
139	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
140		C63	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
141		C64	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
142	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
143		C65	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
144		C66	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
145	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
146		C67	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
147		C68	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
148	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
149		C69	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
150	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
151		C70	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
152		C71	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
153		C72	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
154	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
155		C73	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
156		C74	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
157	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
158		C75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
159		C76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
160		C77	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
161	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
162		C78	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
163		C79	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
164	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
165		C80	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
166		C81	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
167		C84	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
168		C85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
169		C86	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
170		C87	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
171		C88	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
172		C89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
173		C90	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
174		C91	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
175		C92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
176		C93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
177		C94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
178		C95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
179		C96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
180		C97	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
181		C98	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
182		C99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
183		DC100	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184		DC101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
185		DC102	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
186		DC103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
187		DC104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
188		DC105	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
189		DC106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
190		DC107	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
191		DC108	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
192		DC109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
193		DC110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
194		DC112	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
195	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
196		DC114	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
197		DC115	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
198		DC116	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
199	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
200		DC117	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
201		DC118	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
202		DC119	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
203		DC121	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
204		DC122	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
205		DC123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
206		DC124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
207		DC126	0111-3100-5107	C/M Multi. 10PF 50V NPO J 0402	1
208	SS		0112-3100-5107	C/M Multi. 10PF 50V NPO 0402	
209		DC127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
210		DC130	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
211		DC131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
212		DC132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
213		DC133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
214		DC135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
215		DC136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
216		DC137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
217		DC142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
218		DC143	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
219		DC144	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
220		DC145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
221		DC146	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
222		DC147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
223		DC148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
224		DC149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
225		DC150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
226		DC151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
227		DC152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
228		DC153	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
229		DC154	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
230		DC155	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
231		DC156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
232		DC157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
233		DC158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
234		DC159	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
235		DC160	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
236		DC161	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
237		DC162	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
238		DC163	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
239		DC164	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
240		DC165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
241		DC166	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
242		DC167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
243		DC168	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
244		DC169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
245		DC173	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
246		DC174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
247		DC175	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
248		DC176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
249		DC177	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
250		DC178	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
251		DC181	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
252		DC2	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
253		DC22	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
254	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
255		DC3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
256		DC30	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
257		DC34	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
258		DC37	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
259		DC38	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
260		DC39	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
261		DC40	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
262		DC41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
263		DC42	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
264		DC43	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
265		DC44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
266		DC45	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
267		DC46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
268		DC47	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
269		DC49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
270		DC50	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
271		DC51	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
272		DC52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
273		DC53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
274		DC54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
275		DC55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
276		DC56	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
277		DC57	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
278		DC58	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
279		DC6	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
280		DC61	0111-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	1
281	SS		0112-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	1
282		DC62	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
283		DC63	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
284		DC66	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
285	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	1
286		DC67	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
287	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	1
288		DC68	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
289		DC69	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
290		DC70	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
291	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
292		DC71	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
293		DC72	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
294		DC73	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
295	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
296		DC74	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
297		DC75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
298		DC76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
299		DC77	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
300		DC81	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
301	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
302		DC82	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
303	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
304		DC83	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
305		DC84	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
306	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
307		DC85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
308		DC86	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
309	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
310		DC87	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
311	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
312		DC88	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
313	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
314		DC89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
315		DC90	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
316	SS		0111-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603 L-F	
317		DC91	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
318		DC92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
319		DC93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
320		DC94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
321		DC95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
322		DC96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
323		DC98	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
324	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
325		DC99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
326		DFB7	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
327		DFB9	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
328		DRP17	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
329		DRP18	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
330		DRP22	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
331		DRP23	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
332		DRP7	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
333		DR101	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
334		DR102	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
335		DR103	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
336		DR104	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
337		DR107	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
338		DR121	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
339		DR122	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
340		DR132	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
341		DR133	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
342		DR135	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
343		DR138	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
344		DR139	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
345		DR140	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
346		DR141	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
347		DR142	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
348		DR143	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
349		DR56	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
350		DR58	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
351		DR95	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
352		DR97	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
353		DR98	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
354		FB39	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
355		FB40	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
356		FB41	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
357		FB42	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
358		FB43	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
359		FB44	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
360		FB45	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
361		FB46	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
362		FB47	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
363		FB48	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
364		FB49	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
365		FB5	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
366		FB50	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
367		FB52	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
368		FB53	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
369		FB54	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
370		FB55	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
371		FB56	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
372		FB57	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
373		FB8	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
374		R123	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
375		R44	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
376		R446	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
377		R45	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
378		R54	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
379		R55	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
380		R56	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
381		R59	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
382		R69	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
383		R76	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
384		R82	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
385		R87	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
386		R88	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
387		R89	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
388		R90	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
389		R91	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
390		R92	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
391		R93	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
392		R96	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
393		R98	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
394		R99	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1

## 364200120150T MAIN BD ASS'Y GV42L HDTV SMD TOP

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-2272-2133	PCB MAIN BD FR4 380*168*1.6t 4M (L42 HDTV10A)	1
2		C1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3		C10	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
4		C106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
5		C107	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6		C108	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
7		C109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
8		C11	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
9		C110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10		C111	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
11		C112	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
12		C114	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
13		C115	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
14		C116	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
15		C117	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
16		C118	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
17		C119	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
18		C12	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
19		C120	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
20		C129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
21		C13	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
22		C132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
23		C139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
24		C15	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25		C159	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
26		C16	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27		C163	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
28		C164	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
29		C165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
30		C166	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
31		C167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
32		C168	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
33		C169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
34		C17	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35		C170	0111-3821-5117	C/M Multi. 820pF 50V X7R K 0402	1
36		C176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37		C18	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
38		C182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39		C183	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
40		C185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41		C19	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
42		C193	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
43		C195	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
44		C198	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
45	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
46		C199	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
47	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
48		C2	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49		C20	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
50		C204	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
51	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
52		C205	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
53	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
54		C209	0111-3189-5107	C/M MULTI 1.8PF 50V NPO 0402	1
55		C21	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
56		C213	0130-2203-1654	RES. CF 220Kohm 1/16W J 0402	1
57		C215	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
58		C216	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
59		C217	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
60		C218	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
61		C219	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
62		C22	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
63	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
64		C220	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
65		C221	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
66		C232	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
67		C233	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
68		C234	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
69	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
70		C239	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
71		C240	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
72		C241	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
73		C242	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
74	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
75		C244	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
76		C245	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
77	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
78		C246	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
79	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
80		C248	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
81	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
82		C249	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
83	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
84		C250	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
85	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
86		C253	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
87	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
88		C254	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
89	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
90		C255	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
91	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
92		C256	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
93	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
94		C257	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
95	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
96		C258	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
97	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
98		C259	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
99	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
100		C260	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
101	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
102		C261	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
103	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
104		C262	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
105	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
106		C265	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
107		C266	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
108		C268	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
109	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
110		C269	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
111	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
112		C271	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
113	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
114		C272	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
115	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
116		C273	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
117	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
118		C274	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
119	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
120		C275	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
121	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
122		C276	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
123	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
124		C277	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
125	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
126		C278	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
127	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
128		C279	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
129	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
130		C280	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
131	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
132		C283	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
133	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
134		C284	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
135	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
136		C285	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
137	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
138		C286	0111-3150-5107	C/M Multi. 15PF 50V NPO 0402	1
139	SS		0112-3150-5107	C/M Multi. 15PF 50V NPO 0402	
140		C287	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
141	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
142		C288	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
143	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
144		C290	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
145	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
146		C292	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
147	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
148		C293	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
149		C294	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
150	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
151		C296	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
152	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
153		C297	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
154	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
155		C299	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
156	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
157		C3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
158		C300	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
159		C301	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
160		C302	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
161		C303	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
162		C304	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
163		C305	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
164		C306	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
165		C307	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
166		C308	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
167		C309	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
168		C310	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
169		C311	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
170		C312	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
171		C313	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
172	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
173		C314	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
174		C316	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
175		C317	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
176		C318	0111-3474-1636	C/M Multi. 0.47uF 16V Y5V 0603	1
177		C319	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
178	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
179		C320	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
180		C323	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
181		C325	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
182		C326	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
183		C330	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184		C332	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
185		C336	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
186		C341	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
187		C347	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
188		C348	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
189		C349	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
190		C350	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
191		C355	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
192		C356	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
193		C364	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
194	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
195		C365	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
196	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
197		C366	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
198		C375	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
199		C382	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
200		C40	0112-3475-6056	C/M MULTI 4.7uF 6.3V X5R K 0603	1
201		C41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
202		C5	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
203		C6	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
204	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
205		C7	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
206	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
207		C8	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
208	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
209		C82	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
210		C83	0111-3270-5107	C/M MULTI 27PF 50V NPO 0402	1
211	SS		0112-3270-5107	C/M Multi. 27PF 50V NPO 5% 0402	
212		C9	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
213	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
214		DC1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
215		DC10	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
216		DC11	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
217		DC111	0111-3100-5107	C/M Multi. 10PF 50V NPO J 0402	1
218	SS		0112-3100-5107	C/M Multi. 10PF 50V NPO 0402	
219		DC113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
220		DC120	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
221		DC128	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
222		DC129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
223		DC134	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
224		DC138	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
225		DC139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
226		DC14	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
227		DC140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
228		DC141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
229		DC15	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
230		DC16	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
231		DC170	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
232		DC171	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
233		DC172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
234		DC179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
235		DC180	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
236		DC182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
237		DC183	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
238	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
239		DC184	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
240		DC185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
241		DC186	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
242		DC19	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
243		DC20	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
244		DC21	0111-3104-5166	C/M MULTI 0.1UF 50V X7R J 0603	1
245		DC23	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
246	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
247		DC24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
248		DC25	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
249		DC26	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
250	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
251		DC27	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
252	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
253		DC29	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
254	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
255		DC31	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
256		DC32	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
257		DC33	0111-3106-1135	C/M MULTI. 10uF 10V Y5V 0805	1
258	SS		0112-3106-1135	C/M MULTI 10uF 10V Y5V 0805	
259		DC35	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
260	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
261		DC36	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
262	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
263		DC4	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
264		DC48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
265		DC5	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
266		DC59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
267		DC7	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
268		DC78	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
269	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
270		DC79	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
271	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
272		DC8	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
273		DC80	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
274	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
275		DC9	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
276		DC97	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
277		DD1	0390-6005-5293	SCHOTTKY DIODE 3A 40V B340A-13-F SMA L-F	1
278		DD2	0390-6005-5293	SCHOTTKY DIODE 3A 40V B340A-13-F SMA L-F	1
279		DFB1	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
280		DFB10	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
281		DFB2	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
282		DFB3	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
283		DFB4	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
284		DFB5	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
285		DFB6	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
286		DFB8	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
287		DL10	0370-0000-8673	CHIP BEAD CORE 80ohm (MCB1608H800G) LF	1
288		DL12	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
289		DL13	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
290		DL14	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
291		DL15	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
292		DL2	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
293		DL3	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
294		DL4	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
295		DL5	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
296		DL6	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
297		DL9	0130-1808-1858	RES. CF 1.8ohm 1/8W J 0805	1
298		DPR1	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
299		DRN25	0141-1001-3851	ARRAY RES. A(X) 1Kohm 4R J 8P	1
300		DRP10	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
301		DRP11	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
302		DRP12	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
303		DRP13	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
304		DRP14	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
305		DRP15	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
306		DRP16	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
307		DRP19	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
308		DRP2	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
309		DRP20	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
310		DRP21	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
311		DRP24	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
312		DRP25	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
313		DRP26	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
314		DRP27	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
315		DRP3	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
316		DRP4	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
317		DRP5	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
318		DRP6	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
319		DRP8	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
320		DRP9	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
321		DR1	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
322		DR10	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
323		DR100	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
324		DR106	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
325		DR11	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
326		DR110	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
327		DR111	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
328		DR112	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
329		DR113	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
330		DR114	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
331		DR115	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
332		DR116	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
333		DR117	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
334		DR118	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
335		DR119	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
336		DR12	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
337		DR120	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
338		DR123	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
339		DR124	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
340		DR125	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
341		DR126	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
342		DR127	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
343		DR128	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
344		DR129	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
345		DR13	0130-1801-1654	RES. CF 1.8Kohm 1/16W J 0402	1
346		DR130	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
347		DR131	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
348		DR134	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
349		DR137	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
350		DR14	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
351		DR144	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
352		DR145	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
353		DR146	0131-6341-1614	RES. MF 6.34 Kohm 1/16W F 0402	1
354		DR147	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
355		DR15	0130-1201-1654	RES. CF 1.2Kohm 1/16W J 0402	1
356		DR16	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
357		DR18	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
358		DR21	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
359		DR23	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
360		DR24	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
361		DR25	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
362		DR27	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
363		DR28	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
364		DR31	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
365		DR32	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
366		DR33	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
367		DR35	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
368		DR36	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
369		DR37	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
370		DR38	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
371		DR39	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
372		DR4	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
373		DR40	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
374		DR41	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
375		DR42	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
376		DR43	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
377		DR44	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
378		DR5	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
379		DR52	0130-8201-1654	RES. CF 8.2Kohm 1/16W J 0402	1
380		DR53	0130-5109-1654	RES. CF 51ohm 1/16W J 0402	1
381		DR55	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
382		DR57	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
383		DR59	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
384		DR6	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
385		DR60	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
386		DR61	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
387		DR7	0130-1801-1654	RES. CF 1.8Kohm 1/16W J 0402	1
388		DR8	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
389		DR9	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
390		DR99	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
391		DU14	0430-3039-4645	IC MX29LV320CTTC-70G 48PIN TSOP LF	1
392		DU14X	0991-2002-8200	SOFTWARE GV42L HDTV CPU:GV42L HDTVMD00.bin	1
393		DU15	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
394		DU16	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
395		DU17	0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	1
396		DU18	0430-6015-8079	IC DC/DC CONVERTER AP1522WA SOT23-5 5PIN LF	1
397		DU2	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
398	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
399		DU3	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
400		DU4	0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	1
401		DU5	0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	1
402		DU6	0430-6015-5079	IC STEP DOWN CONVERTER AP1513SA SOP 8PIN LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
403		DU7	0430-7043-5092	IC SWITCH PI5C3257QE QSOP 16PIN LF	1
404	SS		0430-3039-9046	IC ADG3257BRQZ-REEL7 16PIN QSOP LF	
405		DU8	0430-7043-1999	IC DEMODULATOR MT5112BD LQFP 100PIN LF	1
406		DU9	0430-7035-1999	IC MT5351AG 471PIN BGA LF	1
407		DX1	0286-2700-0024	OSC 27MHz 25ppm 3.3V SMD VCXO	1
408		D1	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
409	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
410	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
411		D10	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
412	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
413	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
414		D11	0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	1
415	SS		0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	
416		D12	0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	1
417	SS		0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	
418		D13	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
419	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
420	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
421		D14	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
422	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
423	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
424		D15	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
425	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
426	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
427		D16	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
428	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
429	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
430		D17	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
431	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
432	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
433		D18	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
434	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
435	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
436		D2	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
437	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
438	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
439		D21	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
440	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
441	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
442		D22	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
443	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
444	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
445		D3	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
446	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
447	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
448		D4	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
449	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
450	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
451		D5	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
452	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
453	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
454		D6	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
455	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
456	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
457		D9	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
458	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
459	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
460		FB1	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
461		FB10	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
462		FB11	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
463		FB12	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
464		FB13	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
465		FB14	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
466		FB15	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
467		FB16	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
468		FB17	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
469		FB19	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
470		FB22	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
471		FB23	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
472		FB24	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
473		FB25	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
474		FB26	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
475		FB27	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
476		FB28	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
477		FB29	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
478		FB3	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
479		FB30	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
480		FB31	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
481		FB32	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
482		FB33	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
483		FB34	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
484		FB37	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
485		FB4	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
486		FB51	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
487		FB58	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
488		FB59	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
489		FB6	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
490		FB60	0370-0001-4773	CHIP BEAD CORE 80ohm (MCB1608H800GA) LF	1
491		FB9	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
492		F1	0185-1502-0073	FUSE 125V/5A SMD (R45105) L-F	1
493		F2	0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	1
494		J5	0302-2000-2306	CONN MALE R/A 30P SMD (MS240430G) L-F	1
495		LG13	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
496		LG14	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
497		LG15	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
498		LG16	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
499		L10	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
500		L11	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
501		L12	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
502		L13	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
503		L14	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
504		L15	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
505		L16	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
506		L17	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
507		L18	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
508		L19	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
509		L20	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
510		L21	0130-4700-0055	RES. CF 470ohm 1/10W J 0603	1
511		L22	0130-4700-0055	RES. CF 470ohm 1/10W J 0603	1
512		L23	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
513		L24	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
514		L7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
515		L8	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
516		L9	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
517		P10	0304-1000-0112	CONN. HDMI 19P 90' SMD With Flange (392M19-H14) L-F	1
518		P11	0304-1000-0112	CONN. HDMI 19P 90' SMD With Flange (392M19-H14) L-F	1
519		Q1	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
520	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
521	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
522		Q10	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
523	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
524	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
525		Q11	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
526	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
527	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
528		Q12	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
529	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
530	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
531		Q13	0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	1
532	SS		0420-1004-9610	MOSFET N-CH 2N7002LT1G 60V 115mA SMD (SOT-23) LF	
533	SS		0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	
534		Q14	0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	1
535	SS		0420-1004-9610	MOSFET N-CH 2N7002LT1G 60V 115mA SMD (SOT-23) LF	
536	SS		0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	
537		Q15	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
538	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
539	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
540		Q16	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
541	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
542	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
543		Q18	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
544	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
545	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
546		Q19	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
547	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
548	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
549		Q20	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
550	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
551	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
552		Q21	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
553	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
554	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
555		Q22	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
556	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
557		Q23	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
558	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
559	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
560		Q24	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
561	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
562	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
563		Q25	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
564	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
565	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
566		Q27	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
567	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
568	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
569		Q28	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
570	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
571	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
572		Q29	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
573	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
574	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
575		Q3	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
576	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
577	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
578		Q31	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
579	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
580	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
581		Q32	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
582	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
583	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
584		Q33	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
585	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
586	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
587		Q35	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
588	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
589		Q36	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
590	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
591		Q4	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
592	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
593	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
594		Q5	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
595	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
596	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
597		Q6	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
598	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
599	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
600		Q7	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
601	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
602	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
603		Q8	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
604	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
605	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
606		Q9	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
607	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
608	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
609		RP1	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
610		RP10	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
611		RP11	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
612		RP12	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
613		RP13	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
614		RP14	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
615		RP15	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
616		RP16	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
617		RP17	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
618		RP18	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
619		RP19	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
620		RP2	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
621		RP20	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
622		RP21	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
623		RP22	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
624		RP23	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
625		RP24	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
626		RP25	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
627		RP26	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
628		RP27	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
629		RP28	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
630		RP29	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
631		RP3	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
632		RP30	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
633		RP31	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
634		RP35	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
635		RP36	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
636		RP37	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
637		RP38	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
638		RP39	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
639		RP4	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
640		RP40	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
641		RP41	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
642		RP5	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
643		RP6	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
644		RP7	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
645		RP8	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
646		RP9	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
647		R1	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
648		R10	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
649		R100	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
650		R101	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
651		R104	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
652		R105	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
653		R106	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
654		R107	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
655		R108	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
656		R109	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
657		R11	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
658		R110	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
659		R111	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
660		R112	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
661		R113	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
662		R114	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
663		R115	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
664		R116	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
665		R117	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
666		R118	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
667		R119	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
668		R12	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
669		R120	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
670		R127	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
671		R128	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
672		R129	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
673		R13	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
674		R130	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
675		R131	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
676		R132	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
677		R133	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
678		R134	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
679		R136	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
680		R137	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
681		R139	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
682		R141	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
683		R142	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
684		R143	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
685		R146	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
686		R147	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
687		R148	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
688		R149	0130-3302-1654	RES. CF 33Kohm 1/16W J 0402	1
689		R15	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
690		R150	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
691		R151	0130-3302-1654	RES. CF 33Kohm 1/16W J 0402	1
692		R152	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
693		R153	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
694		R154	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
695		R158	0130-8201-1654	RES. CF 8.2Kohm 1/16W J 0402	1
696		R16	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
697		R163	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
698		R164	0130-3902-1654	RES. CF 39 Kohm 1/16W J 0402	1
699		R165	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
700		R166	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1
701		R167	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
702		R168	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
703		R169	0130-1809-1654	RES. CF 18ohm 1/16W J 0402	1
704		R17	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
705		R171	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1
706		R172	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
707		R173	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
708		R174	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
709		R175	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
710		R176	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
711		R177	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
712		R178	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
713		R18	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
714		R182	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
715		R183	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
716		R184	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
717		R185	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
718		R186	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
719		R187	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
720		R188	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
721		R189	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
722		R190	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
723		R191	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
724		R192	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
725		R193	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
726		R194	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
727		R195	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
728		R196	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
729		R198	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
730		R199	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
731		R2	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
732		R20	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
733		R200	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
734		R201	0130-5101-1654	RES. CF 5.1Kohm 1/16W J 0402	1
735		R202	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
736		R203	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
737		R204	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
738		R205	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
739		R206	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
740		R207	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
741		R208	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
742		R209	0131-7509-1614	RES. MF 75ohm 1/16W F 0402	1
743		R21	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
744		R210	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
745		R211	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
746		R212	0130-6802-1654	RES. CF 68Kohm 1/16W J 0402	1
747		R213	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
748		R214	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
749		R215	0130-5101-1654	RES. CF 5.1Kohm 1/16W J 0402	1
750		R216	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1



ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
751		R217	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
752		R218	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
753		R219	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
754		R220	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
755		R221	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
756		R222	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
757		R223	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
758		R224	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
759		R225	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
760		R226	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
761		R227	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
762		R228	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
763		R229	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
764		R23	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
765		R230	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
766		R231	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
767		R232	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
768		R233	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
769		R234	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
770		R235	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
771		R236	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
772		R237	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
773		R238	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
774		R239	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
775		R24	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
776		R240	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
777		R241	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
778		R242	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
779		R243	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
780		R244	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
781		R245	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
782		R246	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
783		R247	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
784		R248	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
785		R249	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
786		R25	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
787		R250	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
788		R251	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
789		R252	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
790		R253	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
791		R254	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
792		R255	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
793		R256	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
794		R257	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
795		R258	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
796		R259	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
797		R26	0130-4703-1654	RES. CF 470Kohm 1/16W J 0402	1
798		R260	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
799		R261	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
800		R262	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
801		R263	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
802		R264	0130-1800-1654	RES. CF 180ohm 1/16W J 0402	1
803		R265	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
804		R266	0130-6803-1654	RES. CF 680Kohm 1/16W J 0402	1
805		R267	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
806		R268	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
807		R269	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
808		R27	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
809		R270	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1
810		R271	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
811		R272	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
812		R273	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
813		R274	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
814		R275	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
815		R276	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
816		R277	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1
817		R278	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
818		R279	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
819		R28	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
820		R280	0130-6809-1654	RES. CF 68 ohm 1/16W J 0402	1
821		R281	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
822		R282	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
823		R283	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
824		R284	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
825		R285	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
826		R286	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
827		R287	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
828		R288	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
829		R289	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
830		R29	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
831		R290	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
832		R291	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
833		R292	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
834		R293	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
835		R294	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
836		R295	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
837		R296	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
838		R297	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
839		R298	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
840		R299	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
841		R3	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
842		R30	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
843		R300	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
844		R301	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
845		R302	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
846		R303	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
847		R304	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
848		R305	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
849		R306	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
850		R307	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
851		R309	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
852		R31	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
853		R310	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
854		R313	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
855		R314	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
856		R315	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
857		R316	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
858		R319	0130-3908-1858	RES. CF 3.9ohm 1/8W J 0805	1
859		R321	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
860		R323	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
861		R324	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
862		R328	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
863		R329	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
864		R33	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
865		R332	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
866		R334	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
867		R338	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
868		R34	0130-5609-1654	RES. CF 56ohm 1/16W J 0402	1
869		R340	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
870		R350	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
871		R352	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
872		R354	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
873		R355	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
874		R357	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
875		R358	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
876		R36	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
877		R360	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
878		R361	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
879		R362	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
880		R363	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
881		R364	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
882		R365	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
883		R366	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
884		R368	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
885		R369	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
886		R370	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
887		R373	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
888		R374	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
889		R375	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
890		R376	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
891		R378	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
892		R38	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
893		R380	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
894		R381	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
895		R383	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
896		R386	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
897		R387	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
898		R388	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
899		R389	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
900		R390	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
901		R391	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
902		R392	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
903		R393	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
904		R394	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
905		R395	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
906		R396	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
907		R397	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
908		R398	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
909		R40	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
910		R408	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
911		R410	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
912		R411	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
913		R412	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
914		R413	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
915		R414	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
916		R415	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
917		R416	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
918		R417	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
919		R419	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
920		R42	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
921		R421	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
922		R423	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
923		R424	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
924		R426	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
925		R427	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
926		R428	0130-2202-1654	RES. CF 22Kohm 1/16W J 0402	1
927		R429	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
928		R43	0130-8200-1654	RES. CF 820ohm 1/16W J 0402	1
929		R432	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
930		R433	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
931		R434	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
932		R443	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
933		R444	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
934		R445	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
935		R447	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
936		R448	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
937		R46	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
938		R47	0131-4999-1614	RES. MF 49.9ohm 1/16W F 0402	1
939		R48	0130-8203-1654	RES. CF 820Kohm 1/16W J 0402	1
940		R49	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
941		R5	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
942		R50	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
943		R51	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
944		R52	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
945		R53	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
946		R57	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
947		R58	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
948		R6	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
949		R60	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
950		R61	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
951		R62	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
952		R63	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
953		R64	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
954		R65	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
955		R66	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
956		R67	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
957		R68	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
958		R70	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
959		R71	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
960		R72	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
961		R73	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
962		R74	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
963		R75	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
964		R77	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
965		R78	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
966		R79	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
967		R8	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
968		R80	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
969		R81	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
970		R83	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
971		R85	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
972		R86	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
973		R9	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
974		R94	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
975		R95	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
976		R97	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
977		U1	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
978		U10	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
979	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	1
980		U11	0430-7042-8999	IC SCALER MT8202AG/BD-L BGA 388PIN LF	1
981		U12	0430-3039-3645	IC MX29LV160CTTC-70G 48PIN TSOP LF	1
982		U12X	0991-2002-8100	SOFTWARE GV42L HDTV CPU:GV42L HDTVMM00.bin	1
983		U13	0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	1
984		U14	0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	1
985		U15	0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	1
986		U16	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
987		U17	0430-3006-9011	IC AT24C04N-10SU-2.7 SO-8 L-F	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
988		U19	0430-7041-6999	IC HDMI CINEMA RECEIVER MT8293AE-L 128Pin QFP LF	1
989		U2	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
990		U20	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
991		U21	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
992		U22	0430-0001-8015	IC CD4052BNSR 16PIN SOP16 L-F	1
993		U23	0430-7027-3699	IC WM8776SEFT 48PIN TQFP L-F	1
994		U27	0430-6015-6099	IC RESET STL8110GCL438 4.38V SOT-23 3PIN LF	1
995		U28	0430-3004-3011	IC AT24C16AN-10SU-2.7 SO-8 L-F	1
996		U29	0430-0001-8015	IC CD4052BNSR 16PIN SOP16 L-F	1
997		U3	0420-1005-4601	POWER MOS IRF7316TRPBF SMD 8PIN LF	1
998		U30	0430-1010-8615	IC TTL LOGIC CD74HC157M96 SOIC 16PIN LF	1
999		U31	0430-7041-7607	IC HDMI STHDMI001A 48PIN TSSOP LF	1
1000		U32	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1001		U33	0430-7043-5092	IC SWITCH PI5C3257QE QSOP 16PIN LF	1
1002	SS		0430-3039-9046	IC ADG3257BRQZ-REEL7 16PIN QSOP LF	1
1003		U34	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1004		U4	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1005	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1006		U5	0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	1
1007		U6	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1008	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1009		U7	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1010	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	1
1011		U8	0430-6007-5079	IC AP1117E33LA LF SOT-223	1
1012	SS		0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
1013		U9	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1014	SS		0430-6009-7075	IC AME1117ECGTZ 1.8V 3PIN SOT-223 L-F	1
1015		ZD1	0400-0601-5012	ZENER 6.06~6.33V UDZSTE-176.2BB 1/5W SOD-323	1
1016		ZD2	0400-0941-2012	ZENER RLZ-10B 9.41~9.90V 1/2W LL-34 L-F	1